

TECH

TECH INTERNATIONAL

TIRE REPAIR CATALOG



When your tires need more than air.®



Headquartered in Johnstown, Ohio and founded in 1939, Tech International is the world's leading producer of tire and tube repairs and wheel service solutions.

Today, Tech markets more than 10,000 products into over 110 countries throughout the world. The company is recognized as one of the top exporters in the United States and has received numerous export awards from the U.S. Chamber of Commerce, and the Ohio Department of Commerce. Tech has also been honored by receiving both the U.S. Presidential "E" and "E-Star" Awards for excellence in exporting.

During its 65 years of operation, Tech International has been owned and managed by the Chambers family.



TIRE REPAIR CATALOG

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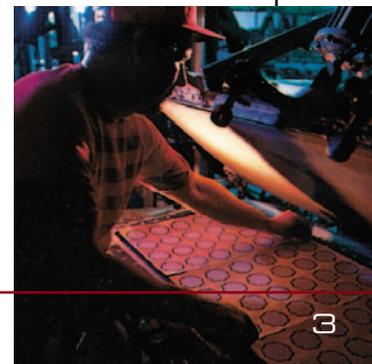
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TECH INTERNATIONAL

How To Contact Us



WORLD WIDE WEB: www.techtirerepairs.com

- Training
- Products
- News Bulletins
- What's New
- Why Repair My Tire
- Company Information



MAILING INFORMATION:

Tech International
P.O. Box 486
200 East Coshocton Street
Johnstown, Ohio 43031-0486, U.S.A.

Please include the following when mailing:

- Name
- Title
- Company Name
- Address
- City & State (Country)
- Telephone Number
- How Can We Assist You?
 - TECH Distributor Opportunities
 - TECH Education/Schooling Seminars
 - In Need of a TECH Distributor
 - Technical Product Question



TELEPHONE:

1-740-967-9015
1-800-433-TECH or 1-800-336-TECH
FAX: 1-740-967-1039



DISTRIBUTOR OPPORTUNITIES:

As awareness of the Tech brand builds and its reputation for product quality increases, so do the demands of our market. To meet these demands, Tech International has thousands of quality and reputable distributors located throughout the world and we are always looking for new distributors to represent our company. Tech is proud to make available a complete line of products, in excess of 10,000 items, providing our distributors a highly profitable opportunity within the tire repair industry. Many of our independent distributors have passed their territories down from generation to generation, attesting to the "family values" created many years ago by the Chambers family.

For further information about distributor opportunities, please contact us.

TECH 2-Way® Tube Repairs*, All-Purpose Repairs

Tech 2-Way tube repairs are the finest made today. Every repair is permanent and safe. And the repair is twice as strong as the tube itself. Tech makes round and oval repairs for any tube injury...on or off the road. Tech is the pioneer of self-vulcanizing repairs, so you can depend on high quality Tech repairs throughout the line.

Tech All-Purpose repairs are designed for use in radial and bias tires. New compounding and thicker rubber helps to resist dimpling. They can also be used for tube repairing.

*Patent No. 2,582,770



ROUND 2-WAY TUBE REPAIRS

Cat. No.	Description	Box Qty.	Dia. (inches)	Dia. (mm)
09	TINY ROUND	140	1	25
10	MINI ROUND	50	1 ³ / ₈	35
11	SMALL ROUND	40	1 ³ / ₄	45
12	MEDIUM ROUND	30	2 ¹ / ₄	60
13	LARGE ROUND	20	3 ¹ / ₈	80
14	MAXI ROUND	20	4	100
15	GIANT ROUND	10	5	125



OVAL 2-WAY TUBE REPAIRS

Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)
16	MINI OVAL	100	1 ¹ / ₂ x 1 ¹ / ₈	40 x 30
17	SMALL OVAL	30	2 ¹ / ₂ x 1 ¹ / ₂	65 x 40
18	MEDIUM OVAL	20	4 x 2	100 x 50
19	LARGE OVAL	20	6 x 2 ³ / ₄	150 x 70
20	GIANT OVAL	10	6 ¹ / ₂ x 4	160 x 100



PLASTIC TUBS – 2-WAY TUBE REPAIRS

Cat. No.	Description	Box Qty.	Dia. (inches)	Dia. (mm)
10T	MINI ROUND TUB	200	1 ³ / ₈	35
11T	SMALL ROUND TUB	160	1 ³ / ₄	45
12T	MEDIUM ROUND TUB	100	2 ¹ / ₄	60
13T	LARGE ROUND TUB	75	3 ¹ / ₈	80
16T	MINI OVAL TUB	200	1 ¹ / ₂ x 1 ¹ / ₈	40 x 30
17T	SMALL OVAL TUB	120	2 ¹ / ₂ x 1 ¹ / ₂	65 x 40



TECH ALL-PURPOSE REPAIRS

Cat. No.	Description	Box/Tub Qty.	Dia. (inches)	Dia. (mm)
111	ROUND ALL PURPOSE	50	2 ¹ / ₂	65
113	ROUND ALL PURPOSE	50	3	75
115	SQUARE ALL PURPOSE	100	1 ³ / ₄	45
116	SQUARE ALL PURPOSE	80	2 ¹ / ₄	55
117NB	NAIL BUSTER double pack (not shown)	Contains 40-115 All Purpose square repairs and 30-116 All Purpose square repairs		

TECH

Uni-Seal® Repairs, Radial-Seal® Repairs and Stems for Radial Tires

Tech's Uni-Seal Ultras repair crown, shoulder and sidewall injuries in radial and bias, passenger and light truck tires. Uni-Seal Ultras repair crown and shoulder injuries in medium and heavy truck tires. Uni-Seal Ultras are speed rated and repair 1/8", 3mm and 1/4", 6mm injuries. Tech's 249W Uni-Seal Plus repairs 1/16", 1.5mm crown and shoulder injuries in passenger and light truck tires.

Tech has designed the Uni-Seal Ultra with 30% more usable stem length for deep tread applications. A 25% thicker cap maximizes reinforcement of the innerliner and eliminates dimpling. Uni-Seal Ultras can be applied chemically or used in any retread process.

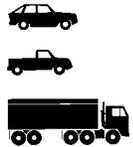
Radial-Seals are special reinforced repairs for 3/8", 10mm to 1/2", 13mm injuries in radial constructed tires using a simple nail hole repair technique saving labor, time and materials when compared to conventional section repair procedures.

The stem diameters of Tech Uni-Seals, Radial-Seals and Uni-Seal stems are larger than the injury size to provide a compression fit and proper permanent sealing of an injury.



249W UNI-SEAL® PLUS AND 250UL, 251UL UNI-SEAL® ULTRA REPAIRS FOR RADIAL TIRES

Cat. No.	Description	Injury Size	Box Qty.
249W	UNI-SEAL PLUS with wire	1/16", 1.5mm injury	25
250UL	UNI-SEAL ULTRA with wire	1/8", 3mm injury	14
251UL	UNI-SEAL ULTRA with wire	1/4", 6mm injury	12
269	CARBIDE CUTTER for 249W Uni-Seal Plus		
270	CARBIDE CUTTER for 250UL Uni-Seal Ultra or 250-1 stem		
270P	PASSENGER/LIGHT TRUCK CARBIDE CUTTER for 250UL Uni-Seal Ultra or 250-1 stem		
271	CARBIDE CUTTER for 251UL Uni-Seal Ultra or 251-1 stem		
271P	PASSENGER/LIGHT TRUCK CARBIDE CUTTER for 251UL Uni-Seal Ultra or 251-1 stem		
TRT104	UNI-SEAL INJURY MEASURING TOOL*		



*See inside back cover for complete information on Tech's unique color coded injury measuring system for Uni-Seals.



RADIAL-SEAL® REPAIRS

Cat. No.	Description	Injury Size	Box Qty.
291/38	RADIAL-SEAL	3/8", 10mm injury	10
292	RADIAL-SEAL	1/2", 13mm injury	10
271/38	CARBIDE CUTTER for 291/38 Radial-Seal and 251/38-1 stem		
272	CARBIDE CUTTER for 292 Radial-Seal and 252-1 stem		



NOTE: Radial-Seal repairs can be used to repair the tread and shoulder of light and medium truck tires. Radial-Seal repairs are radially reinforced for added strength.



UNI-SEAL® STEMS AND CUTTERS FOR RADIAL TIRES

Cat. No.	Description	Injury Size	Box Qty.
250-1	UNI-SEAL STEM	1/8", 3mm injury	20
251-1	UNI-SEAL STEM	1/4", 6mm injury	20
251/38-1	UNI-SEAL STEM	3/8", 10mm injury	20
252-1	UNI-SEAL STEM	1/2", 13mm injury	10
270	CARBIDE CUTTER for 250-1 stem		
270P	PASSENGER/LIGHT TRUCK CARBIDE CUTTER for 250UL or 250-1 stem		
271	CARBIDE CUTTER for 251-1 stem		
271P	PASSENGER/LIGHT TRUCK CARBIDE CUTTER for 251UL or 251-1 stem		
271/38	CARBIDE CUTTER for 251/38-1 stem		
272	CARBIDE CUTTER for 252-1 stem		
260WS	WIRE PULLER for Uni-Seal stem unit (not shown)		



TECH

Uni-Seal® Repairs and Stems for Bias Tires



UNI-SEAL® ULTRA POINT-OF PURCHASE MERCHANDISING AID

Cat. No.	Description	
UNIPOP	Standup/hangable point-of-purchase display promotes use of UNI-SEAL ULTRAS to customers. Display comes with 100 UNI-SEAL ULTRA passenger tire repair flyers and 100 UNI-SEAL ULTRA truck tire repair flyers.	
UNIP	UNI-SEAL ULTRA passenger tire repair flyer refill pack	100 qty.
UNIT	UNI-SEAL ULTRA truck tire repair flyer refill pack	100 qty.

249W UNI-SEAL® PLUS AND 250UL, 251UL UNI-SEAL® ULTRA REPAIRS FOR BIAS TIRES

Cat. No.	Description	Injury Size	Box Qty.	
249W	UNI-SEAL PLUS with wire	1/16", 1.5mm injury	25	
250UL	UNI-SEAL ULTRA with wire	1/8", 3mm injury	14	
251UL	UNI-SEAL ULTRA with wire	1/4", 6mm injury	12	
261	UNI-SEAL CUTTER for 251UL Uni-Seal or 251-1 stem			
TRT104	UNI-SEAL INJURY MEASURING TOOL*			

*See inside back cover for complete information on Tech's unique color coded injury measuring system for Uni-Seals.



UNI-SEALS®—BIAS ONLY

Cat. No.	Description	Injury Size	Box Qty.	
252	UNI-SEAL (up to 14 ply rating)	1/2", 13mm injury	6	
253	UNI-SEAL (up to 14 ply rating)	3/4", 20mm injury	6	
254	UNI-SEAL (up to 14 ply rating)	1", 25mm injury	6	
254HD	UNI-SEAL (up to 18 ply rating)	1", 25mm injury	4	
262	UNI-SEAL CUTTER for 252 Uni-Seal or 252-1 stem			
263	UNI-SEAL CUTTER for 253 Uni-Seal or 253-1 stem			
264	UNI-SEAL CUTTER for 254 Uni-Seal, 254HD Uni-Seal or 254-1 stem			

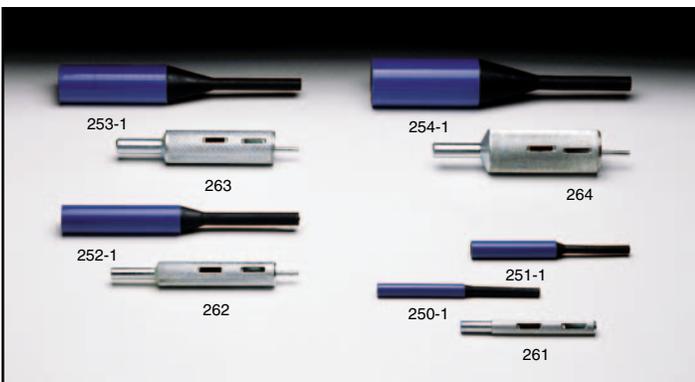
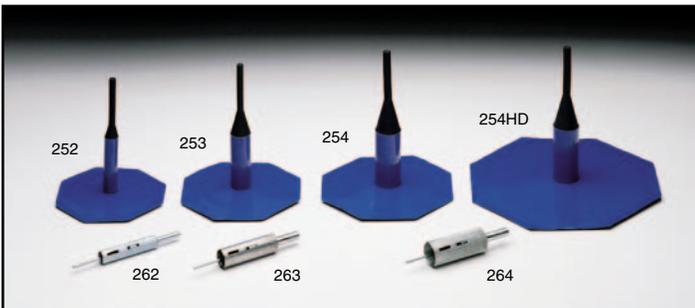
Appropriate sizes of carbide cutters can also be used for bias tires.

STEMS FOR ALL 2-PIECE APPLICATIONS

Cat. No.	Description	Injury Size	Box Qty.	
250-1	UNI-SEAL STEM ONLY	1/8", 3mm	20	
251-1	UNI-SEAL STEM ONLY	1/4", 6mm	20	
252-1	UNI-SEAL STEM ONLY	1/2", 13mm	10	
253-1	UNI-SEAL STEM ONLY	3/4", 20mm	10	
254-1	UNI-SEAL STEM ONLY	1", 25mm	10	
261	UNI-SEAL CUTTER for 251-1 stem or 251UL Uni-Seal Ultra			
262	UNI-SEAL CUTTER for 252-1 stem or 252 Uni-Seal			
263	UNI-SEAL CUTTER for 253-1 stem or 253 Uni-Seal			
264	UNI-SEAL CUTTER for 254-1 stem, 254 Uni-Seal or 254HD Uni-Seal			

260WS WIRE PULLER for stem unit (not shown)

Appropriate sizes of carbide cutters can also be used for bias tires.



CENTECH® Radial Repairs

Centech radial repair units have Tech's bead label, which allows the repair technician to record month, year and other identification for warranty purposes.



Centech is the most advanced radial tire repair system ever developed. Crown, shoulder or sidewall injuries in passenger, truck, agricultural and earthmover tires can be repaired with Centech center over injury radial repairs. A special compounding and design allow the repair unit to flex and resist heat, assuring a permanent repair.

Cloth back style Centech repairs are available in sizes 170-199. Cushion gum compatible with the heat curing system used must be applied before installation. Add suffix "C" to catalog number when ordering cloth back style repairs.

Note: All Centech repair units must be used in conjunction with the proper injury filler material. Do not install Centech repair units over open injuries.

See page 58 for more information about Tech's latest Centech innovation, Aramid reinforced Centech truck and OTR radial repairs.



Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)
164	CT-10 H.D.	10	2½ x 3¼	65 x 80
165	CT-10	20	1¼ x 3	45 x 75
165T	CT-10 in plastic tub	80	1¼ x 3	45 x 75
166	CT-12 H.D.	10	2¾ x 4⅝	70 x 115
167	CT-12	10	2¾ x 4⅝	60 x 110
167T	CT-12 in plastic tub	40	2¾ x 4⅝	60 x 110
169	CT-14	10	2⅞ x 5¾	75 x 145



Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)
170	CT-20	10	3 x 5	75 x 125
172	CT-22	10	3 x 6½	75 x 165
174	CT-24	10	3 x 8½	75 x 215
176	CT-26	10	3 x 10	75 x 250
177	CT-33*	10	4 x 5	100 x 125
178	CT-35*	10	5 x 6	125 x 150
179	CT-37*	5	5 x 6¾	125 x 170
180	CT-40	10	4 x 8	100 x 200
182	CT-42	5	5 x 10	125 x 250
184	CT-44	5	5 x 13	125 x 330

*Denotes repair unit is for injuries in the "T-T" Crown Area only.



Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)
185	CT-45*	5	7¾ x 9⅝	195 x 230
186	CT-46	5	5½ x 16	140 x 405
187	CT-55*	3	10¼ x 13	260 x 330
188	CT-50	3	7½ x 19¼	190 x 500
189	CT-65*	3	13 x 16½	330 x 420
190	CT-52	3	10 x 22½	250 x 570
191	CT-75*	1	17¾ x 20¾	450 x 535
192	CT-56	3	10½ x 29	265 x 735
193AC**	CT-85AC*	1	22 x 28	560 x 710
194	CT-60	3	10½ x 34	265 x 860
195	CT-72	1	13¾ x 30	345 x 760

*Denotes repair unit is for injuries in the "T-T" Crown Area only.
**193AC is only available in Aramid Reinforced, cloth back style.



Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)
196	CT-80	5	6 x 7¾	150 x 195
197	CT-82	5	7½ x 10	190 x 250
198	CT-84	5	8½ x 11½	215 x 290
199	CT-86	5	9¾ x 13½	245 x 340

TECH

Thermacure Radial Repairs

Thermacure repairs offer superior performance in retread and section mold applications. Thermacure repairs simplify application by allowing the use of black cement for the repair and fill rubber when repairing through a retread system or section mold.

The black cushion gum cures at a wide variety of temperatures from 210°F (99°C) to 320°F (160°C). Thermacure repair units last the life of the tire, saving thousands of dollars per year in new tire purchases. Thermacure repairs have the same shelf life as the standard Centech repairs.



Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)
111R	Round All Purpose	50	2 1/2	65
164R	CT-10 HDR	10	2 1/2 x 3 1/4	65 x 80
166R	CT-12 HDR	10	2 3/4 x 4 5/8	70 x 115
169R	CT-14 HDR	10	2 7/8 x 5 3/4	75 x 145



Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)
170R	CT-20 R	10	3 x 5	75 x 125
172R	CT-22 R	10	3 x 6 1/2	75 x 165
174R	CT-24 R	10	3 x 8 1/2	75 x 215
176R	CT-26 R	10	3 x 10	75 x 250
177R	CT-33 R*	10	4 x 5	100 x 125
178R	CT-35 R*	10	5 x 6	125 x 150
179R	CT-37 R*	5	5 x 6 3/4	125 x 170
180R	CT-40 R	10	4 x 8	100 x 200
182R	CT-42 R	5	5 x 10	125 x 250
184R	CT-44 R	5	5 x 13	125 x 330

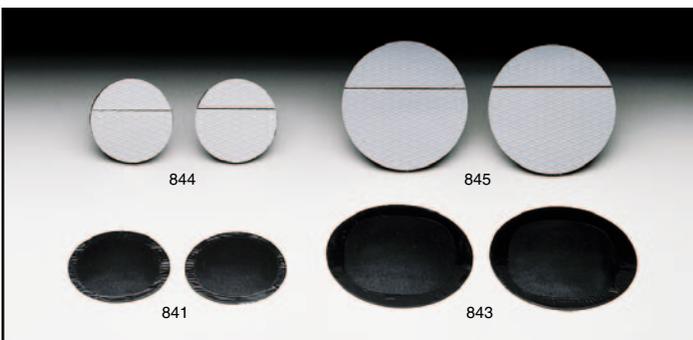
*Denotes repair unit is for injuries in the "T-T" Crown Area only.



TECH REPAIR TEMPLATES

Tech Repair Templates, used in conjunction with Marking Crayons, Paint Sticks or Silver Ink Pens, properly outline the area to be buffed. Templates are available for Uni-Seals, Centech repairs through Cat. No. 184, CT-44, Thermacure repairs and 111 All-Purpose round repair.

Cat. No.	Description	Packaged
111TM	TEMPLATE for 111 All Purpose repair, 250UL, 251UL	Ea.
165TM	TEMPLATE for CT-10 Centech repair	Ea.
167TM	TEMPLATE for CT-12 Centech repair	Ea.
170TM	TEMPLATE for CT-20 Centech repair	Ea.
172TM	TEMPLATE for CT-22 Centech repair	Ea.
174TM	TEMPLATE for CT-24 Centech repair	Ea.
177TM	TEMPLATE for CT-33 Centech repair	Ea.
178TM	TEMPLATE for CT-35 Centech repair	Ea.
180TM	TEMPLATE for CT-40 Centech repair	Ea.
182TM	TEMPLATE for CT-42 Centech repair	Ea.
184TM	TEMPLATE for CT-44 Centech repair	Ea.



RADIAL & BIAS REINFORCED NAIL HOLE REPAIRS

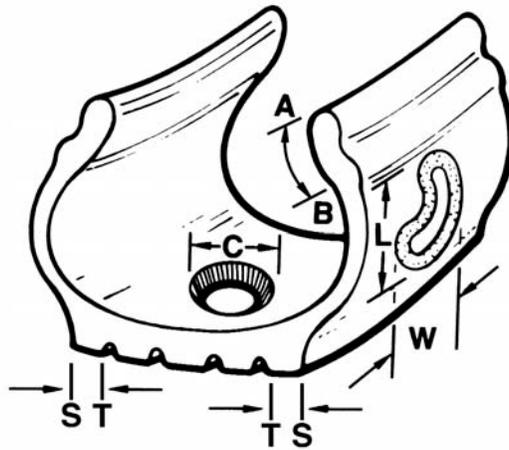
Reinforced nailhole repairs (spot repairs) are square woven reinforced, uncured and chemical repairs, which can be applied using both hot and cold processes. Chemical "spot" repairs can be used with Tech 760 Vulcanizing Fluid or 775 Blue Heavy Duty Cement. Uncured "spot" repairs can be applied using 1082 Tech TemVulc.

Cat. No.	Description	Diameter	Qty.
840	SMALL SPOT CHEMICAL	1 1/4", 30mm	100 per bag
841	SMALL SPOT CHEMICAL	1 1/4", 30mm	1000 per box
842	MEDIUM SPOT CHEMICAL	1 3/4", 45mm	100 per bag
842-30	TIRE RITE MED. SPOT REPAIR	1 3/4", 45mm	30 per box
843	MEDIUM SPOT CHEMICAL	1 3/4", 45mm	500 per box
844	SMALL SPOT-UNCURED	1", 25mm	100 per bag
845	MEDIUM SPOT-UNCURED	1 1/2", 40mm	100 per bag

Uncured spot repairs require a minimum of 260°F (127°C)

CENTECH® & Thermacure Radial Repair Chart

This chart is available in English or Spanish as a LARGE WALL CHART to place in your repair area. See page 55 or contact Tech International at www.techtirerepairs.com



- A-B – NON-REPAIRABLE AREA
- C – MAXIMUM DIAMETER OF DAMAGED RADIAL CABLES
- W – WIDTH OF INJURY
- L – LENGTH OF INJURY
- S-T – SHOULDER AREA
1 1/2" or 40mm
- T-T – CROWN AREA

A-B NON-REPAIRABLE AREA

Passenger and light truck tires 1 1/2", 40mm

SECTION WIDTH

6.50-7.00 (165-195)	2 1/2", 65mm
7.50-16.00 (190-385)	3", 75mm
17.5-23.5 (425-600)	3 1/2", 90mm

Non-repairable area is measured from the bead toe down the inside of the inner liner of the tire.

TIRE REPAIR PRODUCTS & REPAIR CHARTS



Sidewall Injury		Passenger Tire Sizes		Crown Injury Ø Diameter
Width	Length	125-175	185-255	
1/4" (6mm)	1/2" (13mm)	10	10	1/4" (6mm)
1/4" (6mm)	2" (50mm)	12	12	
3/8" (10mm)	3/8" (10mm)	10HD	10HD	3/8" (10mm)
3/8" (10mm)	1 1/2" (40mm)	12HD	12HD	
3/8" (10mm)	2" (50mm)	14	14	
1/2" (13mm)	1 1/2" (40mm)	12HD	12HD	1/2" (13mm)
1/2" (13mm)	2" (50mm)	14	14	
3/4" (20mm)	3/4" (20mm)	12HD	12HD	3/4" (20mm)
3/4" (20mm)	1 1/2" (40mm)	12HD	14	
3/4" (20mm)	2" (50mm)	14	14	
1" (25mm)	1 1/2" (40mm)	14	14	1" (25mm)
1" (25mm)	2" (50mm)	14	22	

REPAIR UNITS IN RED ARE TO BE USED FOR CROWN OR SIDEWALL INJURIES. TO MAINTAIN THEIR SPEED RATING, PASSENGER TIRES CARRYING A SPEED RATING OF H, V, OR Z SHOULD ONLY BE REPAIRED IN THE CROWN (T-T) AREA WITH A MAXIMUM LIMITATION OF 1/4" (6mm).



Sidewall Injury		Tractor Tire Sizes		Crown Injury Ø Diameter
Width	Length	8-11 8.3-12.4	12-15 13.6-30.5 440/65-800/65	
1/4" (6mm)	1/4" (6mm)	12	12	3/8" (10mm)
3/8" (10mm)	3/8" (10mm)	12	12	
3/8" (10mm)	1 1/2" (40mm)	20	20	
3/8" (10mm)	5" (125mm)	26	26	
3/4" (20mm)	3/4" (20mm)	20	20	3/4" (20mm)
3/4" (20mm)	3" (75mm)	22	80	
1 1/2" (40mm)	4" (100mm)	80	82	1 1/2" (40mm)
2" (50mm)	3 1/4" (80mm)	80	82	
2 1/2" (65mm)	3" (75mm)	80	82	2 1/4" (70mm)
2 1/2" (65mm)	4" (100mm)	80	82	
2 3/4" (70mm)	2 3/4" (70mm)	80	82	3 1/2" (90mm)
3 1/4" (80mm)	3 1/4" (80mm)		82	
3 1/4" (80mm)	5 1/4" (130mm)		84	
3 1/2" (90mm)	4 1/2" (115mm)		84	
4" (100mm)	4" (100mm)		84	5 1/4" (130mm)
4" (100mm)	6 1/2" (165mm)		86	
5 1/4" (130mm)	5 1/4" (130mm)		86	

REPAIR UNITS IN RED ARE TO BE USED FOR CROWN OR SIDEWALL INJURIES. NOTE: THIS SECTION REPAIR CHART IS A GUIDELINE ONLY. LOAD, SPEED AND HIGHWAY APPLICATION CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

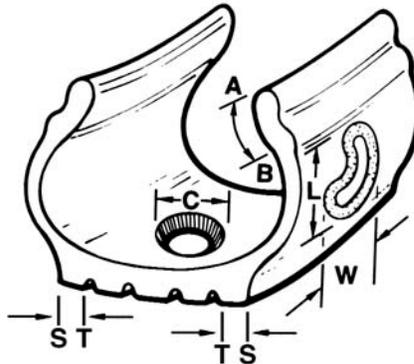


Sidewall and Shoulder Injuries		Truck Tire Sizes			Crown Injury Ø Diameter (T-T Area)
Width	Length	Light Truck	Heavy Truck	Heavy Truck	
		6.50-12.50 7-10 215/85-255/85 215/75-265/75	7.50-10.00 8-11 235/80-275/80 245/75-285/75	11.00-14.00 12-16.5 295/80-315/80 295/75-445/65 425/50-495/45	3/8" (10mm)
1/8" (3mm)	1/8" (3mm)	10	10HD, 20	10HD, 20	
1/4" (6mm)	1/4" (6mm)	12	12HD, 20	12HD, 20	
1 Cable	1 1/2" (40mm)	20	20	20	
1 Cable	3 1/4" (80mm)	22	22	22	3/4" (20mm)
1 Cable	4 3/4" (120mm)	22	24	24	
1 Cable	6" (150mm)	22	24	26	
2 Cable	3 1/4" (80mm)	20	20	22	
2 Cable	1 1/2" (40mm)	20	22	24	1" (25mm)
2 Cable	2 3/8" (60mm)	22	24	26	
2 Cable	5 1/8" (130mm)	22	26	26	
3/8" (10mm)	1 1/2" (40mm)	20	26	40	
3/8" (10mm)	2 3/8" (60mm)	22	26	40	1 1/2" (40mm)
3/8" (10mm)	3 3/8" (80mm)	26	26	42	
3/8" (10mm)	5 1/8" (130mm)	26	26	44	
1/2" (13mm)	1 1/2" (40mm)	22	40	40	
1/2" (13mm)	2 3/4" (70mm)	22	40	42	1 1/4" (32mm)
1/2" (13mm)	3 3/4" (95mm)	40	42	42	
1/2" (13mm)	5 1/8" (130mm)	40	44	44	
3/4" (20mm)	1" (25mm)	22	40	40	
3/4" (20mm)	2 1/2" (65mm)	24	42	42	1 1/2" (40mm)
3/4" (20mm)	4 3/4" (110mm)	42	44	44	
3/4" (20mm)	5 1/8" (130mm)	44	44	44	
1" (25mm)	2" (50mm)	33 40	35 42	35 44	
1" (25mm)	3 1/4" (80mm)		42	44	1 1/2" (40mm)
1" (25mm)	4" (100mm)		44	44	
1 1/4" (32mm)	2" (50mm)		37 42	37 44	
1 1/4" (32mm)	3 3/8" (80mm)		44	44	
1 1/4" (32mm)	4" (100mm)		44	46	
1 1/2" (40mm)	2" (50mm)		37, 44	37	1 1/2" (40mm)
1 1/2" (40mm)	3" (75mm)			44 46	

REPAIR UNITS SHOWN IN RED ARE LIMITED TO CROWN (T-T) AREA ONLY. ALL OTHERS SHOWN IN RED MAY BE USED FOR CROWN OR SIDEWALL INJURIES. NOTE: THIS SECTION REPAIR CHART IS A GUIDELINE ONLY. LOAD, SPEED AND HIGHWAY APPLICATION CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

CENTECH®

Off Road Radial Repair Chart



- A-B – NON-REPAIRABLE AREA
- C – MAXIMUM DIAMETER OF DAMAGED RADIAL CABLES
- W – WIDTH OF INJURY
- L – LENGTH OF INJURY
- S-T – SHOULDER AREA
- T-T – CROWN AREA

Sidewall Injury		Shoulder Injury	Earthmover Tire Sizes				Crown Injury
Width	Length		14.00-16.00 15.5-20.5 20/65-30/65	18.00-21.00 23.5-26.5 35/65	24.00-30.00 29.5-37.5 40/65-45/65	33.00-40.00 48/95-59/80 50/65-65/65	
Inches (mm)	Inches (mm)	Inches (mm)					Inches (mm)
3/8" (10mm)	3" (75mm)		42	42	42	44	3/8" (10mm)
3/8" (10mm)	4 1/8" (110mm)		42	42	44	44	
3/4" (20mm)	2" (50mm)		45	45	45	45	
3/4" (20mm)	5 1/2" (140mm)		42	44	44	50	
3/4" (20mm)	8" (200mm)	3/4" (20mm)	46	46	46	50	3/4" (20mm)
			46	50	50	50	
			46	46	50	52	
1" (25mm)	5" (125mm)		45	45	45	45	
1" (25mm)	8" (200mm)	1" (25mm)	46	46	46	50	1" (25mm)
			50	50	50	52	
			46	50	52	52	
1 1/4" (30mm)	4" (100mm)		46	50	50	50	
1 1/4" (30mm)	10" (250mm)		50	50	52	56	
1 1/2" (40mm)	3 1/2" (90mm)		45	45	55	55	
1 1/2" (40mm)	10" (250mm)		46	52	52	52	
1 1/2" (40mm)	14" (350mm)		50	50	52	56	
1 1/2" (40mm)	16" (400mm)	1 1/2" (40mm)	56	56	56	60	1 1/2" (40mm)
			50	60	60	60	
			50	50	52	56	
1 3/4" (45mm)	6 1/2" (165mm)		50	50	50	52	
1 3/4" (45mm)	10" (250mm)		52	52	52	56	
1 3/4" (45mm)	14" (350mm)		56	56	56	60	
1 3/4" (45mm)	16" (350mm)		56	60	60	60	
2" (50mm)	7" (175mm)		55	55	55	65	
2" (50mm)	10" (250mm)		50	50	50	52	
2" (50mm)	14" (350mm)		52	52	52	56	
2" (50mm)	16" (400mm)		56	56	56	60	
2" (50mm)	19" (475mm)	2" (50mm)	60	60	60	60	2" (50mm)
			50	52	56	56	
2 3/4" (70mm)	8" (200mm)		55	65	65	65	
2 3/4" (70mm)	10" (250mm)		52	52	52	56	
2 3/4" (70mm)	13 1/2" (340mm)	2 1/2" (65mm)	56	56	56	60	2 3/4" (70mm)
		2 3/4" (70mm)	56	56	72	72	
			72	72	72	72	
3 1/2" (90mm)	7" (175mm)		52	75	75	75	
3 1/2" (90mm)	8" (200mm)		52	52	56	56	
3 1/2" (90mm)	10" (250mm)		52	52	56	72	
3 1/2" (90mm)	12 1/2" (315mm)	3 1/2" (90mm)	56	56	56	72	3 1/2" (90mm)
			56	56	60	60	
4" (100mm)	5 1/2" (140mm)		52	52	52	56	
4" (100mm)	7 1/2" (190mm)		52	56	56	56	
4" (100mm)	10 1/2" (265mm)		52	56	60	60	
4 3/8" (110mm)	5" (125mm)		52	52	56	56	
4 3/8" (110mm)	7" (175mm)		52	56	72	72	
4 3/8" (110mm)	10" (250mm)		52	56	60	60	
4 3/4" (120mm)	4 1/2" (115mm)		52	52	56	56	
4 3/4" (120mm)	6" (150mm)		52	56	60	60	
4 3/4" (120mm)	9" (225mm)		52	56	60	60	
5" (125mm)	4" (100mm)			75	75	75	
5" (125mm)	5" (125mm)			72	72	72	
5" (125mm)	7" (175mm)			72	72	72	
6" (150mm)	3" (75mm)			72	72	72	
6" (150mm)	5 1/2" (140mm)			72	72	72	
6 1/2" (165mm)	5" (125mm)				85	85	6 1/2" (165mm)
					72	72	

DETERMINING CROWN INJURY REPAIR AREA (T-T AREA)

CENTECH RADIAL/OTR NON-REPAIRABLE AREA

14.00-16.00 (15.5-17.5)	3", 75mm
18.00-24.00 (20.5-29.5)	5", 125mm
27.00-33.00 (33.25-37.5)	6", 150mm
40/65-50/65 (40.5)	6 3/4", 170mm
36.00	8", 200mm
37.00-40.00 (50.5 & larger)	10", 255mm

Radial/OTR Crown Dimensions (T-T Area)

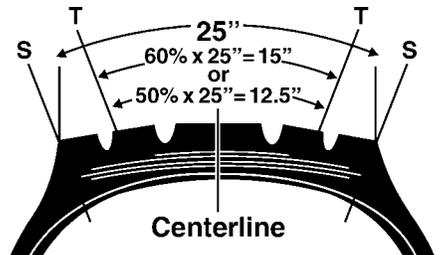
Crown is defined as 50% of tread face for standard aspect ratio tire sizes and 60% of tread face for wide base sizes. All measurements are taken on the outside surface of the tire.

Standard Aspect Tire Size Example: (24.00 R35)

If the tread face measures 24" (610mm) wide, 50% of that is 12" (300mm) - the crown area measurement, or 6" (150mm) on each side of the tread centerline. This is where the injury must be located to be considered as a crown area repair.

Wide Base Tire Size Example: (29.5 R29)

If the tread face measures 25" (635mm) wide, 60% of that is 15" (375mm) - the crown area measurement, or 7.5" (190mm) on each side of the tread centerline. This is where the injury must be located to be considered as a crown area repair.



REPAIR UNITS SHOWN [BOXED IN RED] ARE LIMITED TO CROWN (T-T) AREA ONLY. ALL OTHERS SHOWN IN RED MAY BE USED FOR CROWN OR SIDEWALL INJURIES. NOTE: THIS SECTION REPAIR CHART IS A GUIDELINE ONLY. LOAD, SPEED AND HIGHWAY APPLICATION CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

TECH BP®

Bias Ply Tire Repairs

All Tech low temperature and cloth-back BP's have Tech's bead label which allows the repair technician to record month, year and other identification for warranty purposes.



Tech BP Bias Ply tire repairs can be used on tubeless or tube-type tires. They offer excellent flexibility, greater strength, superior construction and have been proven safe and dependable by millions of on-the-road miles. All Tech bias repairs are manufactured with a ply of rubber between the fabric and cushion gum which acts as a float or shock absorbing ply. Repair unit construction allows for easy application and enables repairs to be made closer to the tire bead, eliminating the need for a separate sidewall repair unit. These repairs are also designed to have excellent air retention when used in tubeless tires.

Uncured BP's are special order products. Please see your Tech distributor or contact Tech International.

See charts to determine proper size repair unit.

Note: All BP and BPT Bias Ply repair units must be used in conjunction with proper injury filler material. Do not install BP or BPT Bias Ply repair units over open injuries.



Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)	Plies
600	BP-0	25	2 1/4	60	1
600T	BP-0 in plastic tub	80	2 1/4	60	1
601	BP-1	20	3	75	1
602	BP-2	10	3 3/8	90	2

Cloth-back repairs available in Cat. No. 603 through Cat. No. 627. Add suffix "C" to catalog number when ordering. Uncured repairs available by special order. Add suffix "U" to catalog number when ordering.



Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)	Plies
603	BP-3	10	4 x 4	100 x 100	2
604	BP-4	10	5 5/16 x 5 5/16	130 x 130	4
605	BP-5	10	6 1/2 x 6 1/2	165 x 165	4
606	BP-6	5	9 9/16 x 9 9/16	240 x 240	6
607	BP-7	5	11 5/8 x 11 5/8	290 x 290	6
608	BP-8	5	13 3/8 x 13 3/8	340 x 340	6
609	BP-9	3	15 1/8 x 15 1/8	380 x 380	8
610	BP-10	3	17 1/8 x 17 1/8	430 x 430	8

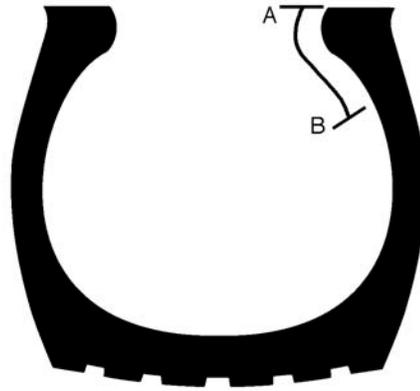
Cloth-back repairs available in Cat. No. 603 through Cat. No. 627. Add suffix "C" to catalog number when ordering. Uncured repairs available by special order. Add suffix "U" to catalog number when ordering.



Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)	Plies
620	BPT-0	10	8 x 8	200 x 200	4
621	BPT-1	5	9 x 9	225 x 225	4
622	BPT-2	5	11 x 11	275 x 275	4
623	BPT-3	5	15 x 15	375 x 375	4
624	BPT-4	5	9 x 9	225 x 225	6
625	BPT-5	5	11 x 11	275 x 275	6
626	BPT-6	5	15 x 15	375 x 375	6
627	BPT-7	3	19 1/2 x 19 1/2	490 x 490	6

Cloth-back repairs available in Cat. No. 603 through Cat. No. 627. Add suffix "C" to catalog number when ordering. Uncured repairs available by special order. Add suffix "U" to catalog number when ordering.

BP[®] Bias Repair Chart



A-B NON-REPAIRABLE AREA

7.00-8.75	3 1/4", 80mm
9.00-14.00	4", 100mm
16.00-18.00	5", 125mm
21.00-27.00	6", 150mm

The above dimensions are guidelines only.

TRACTOR A-B NON-REPAIRABLE AREA

14.9-20.8	4", 100mm
23.1- larger	5", 125mm

The above dimensions are guidelines only.

HOW TO USE THIS CHART: For proper repair unit selection, determine the size of the injury in the tire by measuring largest cord area removed. Locate the correct injury size along the top row of this chart. Now locate the tire's ply rating/load range along the extreme left column of the same chart. The repair unit number in the square where these intersect is the recommended repair unit to use.

This chart is available in English or Spanish as a **LARGE WALL CHART** to place in your repair area (page 55). Ask your Tech Representative or contact Tech International at www.techtirerepairs.com

CAR, TRUCK AND EARTHMOVER SIZE OF INJURY — TREAD, SHOULDER AND SIDEWALL



PLY RATING (LOAD RANGE)	mm	3	6	10	13	20	25	40	50	65	75	100	125	150
	inches	1/2"	3/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
4 (B)		BP-0	BP-0	BP-1	BP-2	BP-3	BP-3	BP-4	BP-5					
6 (C)		BP-0	BP-0	BP-1	BP-2	BP-3	BP-3	BP-4	BP-5	BP-6				
8 (D)		BP-0	BP-0	BP-2	BP-3	BP-3	BP-4	BP-4	BP-5	BP-6				
10 (E)		BP-0	BP-1	BP-2	BP-3	BP-3	BP-4	BP-5	BP-6	BP-6	BP-7	BP-8		
12 (F)		BP-0	BP-1	BP-2	BP-4	BP-4	BP-4	BP-5	BP-6	BP-6	BP-7	BP-8		
14 (G)		BP-0	BP-1	BP-3	BP-4	BP-4	BP-5	BP-6	BP-6	BP-7	BP-7	BP-8	BP-10	
16 (H)		BP-0	BP-1	BP-4	BP-4	BP-5	BP-5	BP-6	BP-6	BP-7	BP-7	BP-8	BP-10	
18 (J)		BP-0	BP-1	BP-4	BP-5	BP-5	BP-6	BP-6	BP-7	BP-8	BP-8	BP-9	BP-10	
20 (L)		BP-0	BP-1	BP-4	BP-5	BP-5	BP-6	BP-7	BP-8	BP-8	BP-9	BP-9	BP-10	
22 (M)		BP-0	BP-1	BP-4	BP-6	BP-6	BP-7	BP-8	BP-8	BP-8	BP-9	BP-10		

NOTE: THIS SECTION REPAIR CHART IS ONLY A GUIDELINE. LOAD, SPEED, AND APPLICATION OF THE TIRE CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

FARM, TRACTOR, SKIDDER SIZE OF INJURY — TREAD, SHOULDER AND SIDEWALL



PLY RATING (LOAD RANGE)	mm	3	6	10	13	20	25	40	50	65	75	100	125	175	200	225	250	
	inches	1/2"	3/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	7"	8"	9"	10"
4 (B)		BP-0	BP-0	BP-1	BP-2	BP-3	BP-3	BP-4	BP-5	BPT-0	BPT-0	BPT-1	BPT-2	BPT-2	BPT-3	BPT-3		
6 (C)		BP-0	BP-0	BP-1	BP-2	BP-3	BP-3	BP-4	BP-5	BPT-0	BPT-0	BPT-1	BPT-2	BPT-2	BPT-3	BPT-3		
8 (D)		BP-0	BP-1	BP-2	BP-2	BP-3	BP-4	BP-4	BP-5	BPT-0	BPT-0	BPT-1	BPT-2	BPT-2	BPT-3	BPT-3	BPT-6	BPT-7
10 (E)		BP-0	BP-1	BP-2	BP-3	BP-3	BP-4	BP-5	BP-6	BPT-1	BPT-1	BPT-4	BPT-5	BPT-5	BPT-6	BPT-6	BPT-7	BPT-7
12 (F)		BP-0	BP-1	BP-2	BP-4	BP-4	BP-4	BP-5	BP-6	BPT-4	BPT-4	BPT-4	BPT-5	BPT-5	BPT-6	BPT-7	BPT-7	BPT-7
14 (G)		BP-0	BP-1	BP-4	BP-4	BP-4	BP-5	BP-6	BP-6	BPT-4	BPT-5	BPT-5	BPT-5	BPT-6	BPT-7	BPT-7	BPT-7	
16 (H)		BP-0	BP-1	BP-4	BP-4	BP-5	BP-5	BP-6	BP-6	BPT-5	BPT-5	BPT-5	BPT-6	BPT-6	BPT-7	BPT-7		

NOTE: THIS SECTION REPAIR CHART IS ONLY A GUIDELINE. LOAD, SPEED, AND APPLICATION OF THE TIRE CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

*REINFORCEMENT REPAIRS SIZE OF INJURY — TREAD, SHOULDER AND SIDEWALL



PLY RATING (LOAD RANGE)	mm	3	6	10	13	20	25	40	50	65	75	100	125	150
	inches	1/2"	3/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
8-12 (D-F)			BP-0	BP-1	BP-2	BP-3	BP-3	BP-4	BP-4	BP-5	BP-6	BP-7	BP-8	
14-18 (G-J)			BP-0	BP-1	BP-2	BP-4	BP-4	BP-5	BP-5	BP-6	BP-6	BP-7	BP-8	
20-22 (L-N)			BP-0	BP-2	BP-4	BP-5	BP-5	BP-6	BP-6	BP-7	BP-7	BP-8	BP-9	

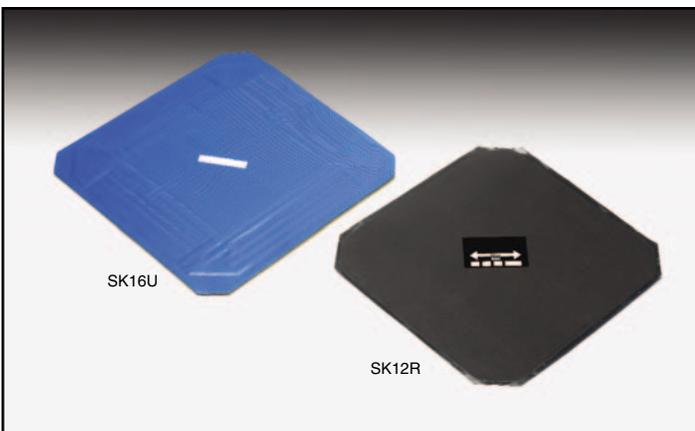
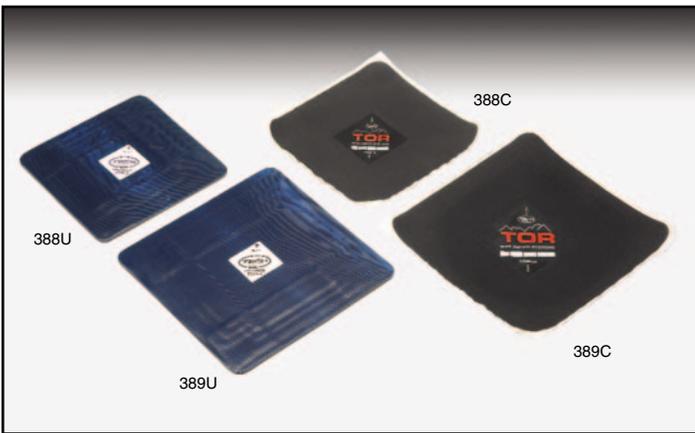
*INJURIES THROUGH 25% BUT LESS THAN 75% OF THE TIRE BODY REQUIRE BOTH HOLE FILLING MATERIAL AND REINFORCING REPAIRS.

NOTE: THIS REINFORCEMENT CHART IS ONLY A GUIDELINE. LOAD, SPEED, AND APPLICATION OF THE TIRE CAN AFFECT THE LIMITATIONS OF REPAIRS.

TECH Off Road & Skidder Repairs for Bias Tires

Tech TOR's repair injuries up to 11" (275mm) in 60 plus ply off-the-road tires. One-piece construction provides easier installation, and eliminates the need for piggyback applications.

Specially designed plies dissipate fabric end stress, and provide maximum flexibility and strength.



Superior compounding throughout the entire construction of the TOR repair resists overcure, even when the tire is returned to service.

To obtain optimum adhesion results with all vulcanizing systems, TOR's are available in uncured, cloth-back and low temperature chemical cure units.

Tech TOR's provide permanent repairs for tubeless or tube-type tires, and repair injuries in the shoulder, sidewall or crown.

All low temperature and cloth-back TOR's have Tech's bead label which allows the repair technician to record month, year and other identification for warranty purposes.

Note: All Tech TOR and skidder repair units must be used in conjunction with the appropriate injury filler material. Do not use TOR repair units over open injuries.



Cat. No.	Description	Plies	Box Qty.	Dim. (inches)	Dim. (mm)
386	TOR-1	2	10	7 ⁵ / ₁₆	180
387	TOR-2	4	10	8 ¹ / ₈	205
388	TOR-3	4	5	9 ³ / ₈	230
389	TOR-4	6	5	11 ¹ / ₄	285
390	TOR-5	6	5	13 ³ / ₈	340
391	TOR-6	6	3	15 ⁵ / ₁₆	380
392	TOR-7	8	1	17 ¹ / ₄	430
393	TOR-8	8	1	19 ⁵ / ₁₆	480
394	TOR-9	10	1	21 ¹ / ₄	530
395	TOR-10	10	1	23 ¹ / ₄	585
396	TOR-11	10	1	24 ³ / ₄	620



UNCURED

Cat. No.	Description	Plies	Box Qty.	Dim. (inches)	Dim. (mm)
386U	U-TOR-1	2	10	6 ¹ / ₄	155
387U	U-TOR-2	4	10	7 ¹ / ₄	180
388U	U-TOR-3	4	5	8 ¹ / ₄	205
389U	U-TOR-4	6	5	10 ¹ / ₄	255
390U	U-TOR-5	6	5	12 ¹ / ₄	305
391U	U-TOR-6	6	3	14 ¹ / ₄	355
392U	U-TOR-7	8	1	16 ¹ / ₄	405
393U	U-TOR-8	8	1	18 ¹ / ₄	455
394U	U-TOR-9	10	1	20 ¹ / ₄	505
395U	U-TOR-10	10	1	22 ¹ / ₄	555
396U	U-TOR-11	10	1	23 ¹ / ₄	580

Cloth-back repairs available. Add suffix "C" to catalog number when ordering.



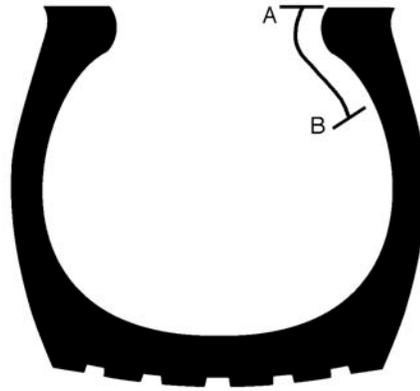
SKIDDER REPAIRS

Bias ply skidder repairs are designed to meet the demands for repairing all bias ply skidder tires. They are extremely flexible yet strong. Skidder repairs are available for chemical applications, Thermacure (heat) applications and uncured vulcanizing applications.

Chemical Cat No.	Thermacure Cat No.	Uncured Cat. No.	Ply Rating	Box Qty.
SK12	SK12R	SK12U	6	12
SK16	SK16R	SK16U	6	6
SK20	SK20R	SK20U	6	6
SK24	SK24R	SK24U	8	3

TECH Off Road & Bias Skidder Repair Charts

This chart is available in English or Spanish as a LARGE WALL CHART to place in your repair area. See page 55 or contact Tech International at www.techtirerepairs.com



BIAS SKIDDER A-B NON-REPAIRABLE AREA SECTION WIDTH

14.9-20.8	4", 100mm
23.1 and larger	5", 125mm

The above dimensions are guidelines only

OTR A-B NON-REPAIRABLE AREA SECTION WIDTH

16.00-18.00 (20.5-23.5)	5", 125mm
26.00-27.00 (26.5-33.5)	6", 150mm
30.00-33.00 (37.25-37.5)	7", 175mm
36.00 and larger	8", 200mm

The above dimensions are guidelines only

BIAS SKIDDER REPAIR CHART

INJURY SIZE IN INCHES / MM	PLY RATING		
	12*	14	16 - 18
4" / 100	12	12	12
5" / 125	12	12	16
6" / 150	12	16	16
7" / 175	16	16	20
8" / 200	16	20	20
9" / 225	20	20	24
10" / 250	20	24	24
11" / 275	24	24	24
12" / 300	24	24	24

*For 6 to 10 ply rated tires and injuries smaller than above chart, refer to the BPT Tractor Chart on page 13.

TOR (TECH OFF ROAD) BIAS REPAIR CHART

INJURY SIZE IN INCHES/ MM	PLY RATING										
	6-8	10-12	14-16	18-20	22-24	26-28	30-36	38-44	46-50	52-58	60+
1/2 / 13	1	1	1	2	2	2	2	2	2	2	3
1 / 25	2	2	2	2	2	2	2	2	3	3	4
1 1/2 / 40	2	2	2	2	2	3	3	3	4	4	5
2 / 50	2	2	3	3	3	3	3	3	4	4	5
2 1/2 / 65	2	2	3	3	3	4	4	4	5	5	6
3 / 75	3	3	4	4	4	5	5	6	6	6	7
4 / 100		4	4	4	5	5	6	6	7	7	8
5 / 125			4	5	5	6	6	7	8	8	8
6 / 150			5	5	6	7	7	8	8	8	9
7 / 175				6	7	7	8	8	9	10	10
8 / 200					7	8	9	9	10	10	11
9 / 225					8	8	9	9	10	11	11
10 / 250						9	9	10	11	11	11

TREAD INJURIES ONLY

11 / 275						9	10	10	11	11	11
12 / 300						10	10	10	11	11	

HOW TO USE THIS CHART: For proper repair selection, determine the size of the injury in the tire by measuring the largest cord area removed. Locate the correct injury size along the left column of this chart. Now locate the tire's ply-rating along the top row of the same chart. The unit number in the square where these intersect is the recommended repair unit to use.

TECH PERMACURE® Inside/ Outside Reinforced Repairs

Tech Permacure and Permacure II repairs utilize an exclusive nylon reinforced design that makes applying repairs easier—virtually eliminating cutting, resulting in less labor time and a durable, permanent repair. Tech's unique cushion gum flows and cures into cracks and crevices and actually vulcanizes to the tire itself. Permacure II repair units are excellent for smaller injuries.



Close-up of tire containing 950 Permacure repairs. Tire was run for 80,000 miles (128,720 km) at 50 mph (80 kph) without a single PERMACURE repair unit failure.

Permacure and Permacure II repairs can be used in the crown, shoulder and sidewall areas of all radial and bias tubeless passenger, truck, agricultural, ATV and off-the-road tires.

They can be used as an injury filler material and then backed up with the appropriate repair unit.

Tech Permacure and Permacure II repairs can easily be applied using the Tech Permacure Tool and Needles. The exclusive tool design and needle eliminate cutting of Permacure repairs and makes applications into the tire easier.

The Permacure Tool comfortably fits the contour of the hand.

Heavy-duty stainless steel needles will not



The unique gooseneck handle design comfortably fits the contour of the hand and allows both hands to be used for stronger grip and easier entry of the Permacure repairs.

rust and have a longer life. The Permacure Tool features a tightening screw on one side that allows the tool to accept the truck, passenger or earthmover replacement needles.

The Tech Permacure Tool (Cat. No. 925T) comes with a truck needle. (Cat. No. 925E comes with E.M. needle.)

Note: Industry recommendations state that the tire should be demounted and repaired from the inside using suitable rubber vulcanizing material and appropriate repair unit on the innerliner.



PERMACURE, PERMACURE II REPAIRS

Cat. No.	Description	Box Qty.
220	3/4", 95mm PERMACURE II REPAIRS	50
222	3/4", 95mm PERMACURE REPAIRS	50
911	PERMACURE WRENCH	
903	STEEL T-HANDLE CUTTER (shown on page 27)	
903RC	REPLACEMENT STEEL CUTTER (shown on page 27)	
915	SPIRAL CEMENT TOOL	
925	PERMACURE PASSENGER TOOL	
926	PERMACURE PASSENGER REPLACEMENT NEEDLE	



PERMACURE REPAIRS

Cat. No.	Description	Box Qty.
224	5/8", 130mm PERMACURE REPAIRS	40
270	CARBIDE CUTTER	
911	PERMACURE WRENCH	
914	SPIRAL CEMENT DRILL TOOL	
915	SPIRAL CEMENT TOOL	
925T	PERMACURE TRUCK TOOL	
927	PERMACURE TRUCK REPLACEMENT NEEDLE	

TECH PERMACURE® Inside/ Outside Reinforced Repairs & Repair Kits

Tech Truck Permacures (5 1/8", 130mm) and Tech E.M. Permacures (7 1/2", 190mm) utilize an exclusive nylon reinforced design that makes applying repairs easier—virtually eliminating cutting and resulting in less labor time and a durable, permanent repair.

Permacures can be used in the crown, shoulder and sidewall areas of all radial and bias tubeless truck and off-the-road equipment tires. Truck Permacures are engineered for both on-the-wheel and demounted tire repairs. They should be used as an injury filler material and then backed up with an appropriate repair unit. Permacures make excellent repairs when used in any retread process.



Actual cross-section photo of 5 Tech Permacures which have vulcanized together forming a solid rubber unit.

Note: Industry recommendations state that the tire should be demounted and repaired from the inside using suitable rubber vulcanizing material and appropriate repair unit on the innerliner.



PERMACURE REPAIRS



Cat. No.	Description	Box Qty.
226	7 1/2", 190mm PERMACURE REPAIRS	25
911	PERMACURE WRENCH	
915	SPIRAL CEMENT TOOL	
916	GIANT SPIRAL CEMENT TOOL	
925E	PERMACURE EARTHMOVER TOOL	
928	PERMACURE EARTHMOVER REPLACEMENT NEEDLE	

PERMACURE KITS



No. 215 PERMACURE REPAIR KIT BOX contains:

- No. 220/222 Combination box of Permacure repairs contains 25-220 Permacure II repairs and 25-222 Permacure repairs
- No. 770 Flow-Seal Vulcanizing Fluid
- No. 911 Permacure Wrench
- No. 915 Spiral Cement Tool
- No. 925 Permacure Tool w/Passenger Needle
- No. 926 Permacure Passenger Replacement Needle

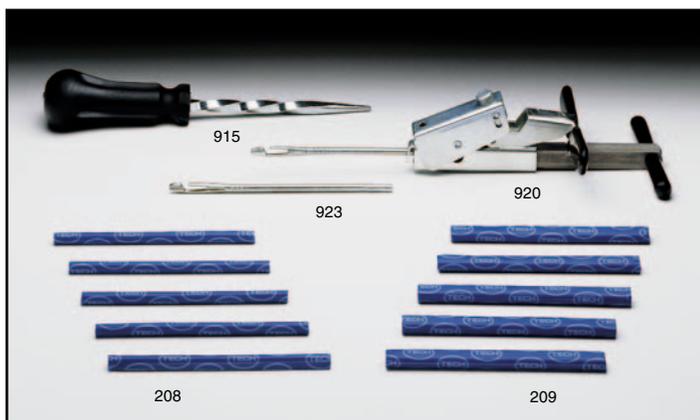


No. 216 PERMACURE REPAIR KIT BOX contains:

- No. 224 Permacure Repairs
- No. 770 Flow-Seal Vulcanizing Fluid
- No. 911 Permacure Wrench
- No. 914 Spiral Cement Drill Tool
- No. 915 Spiral Cement Tool
- No. 925T Permacure Tool w/Truck Needle
- No. 927 Permacure Replacement Needle

TECH Flow-Seal® Inserts, Self-Vulcanizing Inside/Outside Repairs

You can repair small injuries in tubeless tires fast and easy with Tech Flow-Seal Inserts. Unique gray cushion gum flows into the injury and completely seals the innerliner as well as broken cord and cable ends. The insert permanently vulcanizes to the tire, and the tire is immediately ready for use. Flow-Seal Inserts are ideal for use in both bias and steel belted radial tires.



These inserts are designed for demounted tires and are also excellent repairs when used in any retread process. They can be used to fill an injury and are very effective when backed up with the appropriate repair unit.

Tech Insert-O-Matic tool, Cat. No. 920, and Insert-O-Mates, Cat. No. 203 make inserting repairs fast and easy. Insert-O-Mates fit on the end of the Insert-O-Matic tool, allowing the insert to be easily applied into the tire.

Note: Industry recommendations state that the tire should be demounted and repaired from the inside using a suitable rubber vulcanizing material and appropriate repair unit on the innerliner.



Actual cross-section photo of an Insert in a steel belted radial tire that was run 50,000 miles (81,000km) on a test wheel. The repair unit was still securely in place and tire remained leak-free.



FLOW-SEAL INSERTS

Cat. No.	Description	Box Qty.
202	MINI MENDER (not shown)	50
203	INSERT-O-MATE PLASTIC TIPS	20
204	ROUND INSERTS 2", 50mm	40
205	MAXI MENDER (not shown)	40
206	OVAL INSERTS 2", 50mm	40
903	STEEL T-HANDLE CUTTER (not shown)	
903RC	REPLACEMENT STEEL CUTTER (not shown)	
915	SPIRAL CEMENT TOOL	
920	INSERT-O-MATIC TOOL	
921	PASSENGER REPLACEMENT NEEDLE	



FLOW-SEAL INSERTS

Cat. No.	Description	Box Qty.
208	ROUND TRUCK INSERTS 3 3/4", 95mm	20
209	OVAL TRUCK INSERTS 3 3/4", 95mm	20
903	STEEL T-HANDLE CUTTER (not shown)	
903RC	REPLACEMENT STEEL CUTTER (not shown)	
920	INSERT-O-MATIC TOOL	
923	INSERT-O-MATIC TRUCK NEEDLE	

NOTE: When applying 208 and 209 inserts, the 923 truck needle must replace 921 needle which comes in a 920 Insert-O-Matic Tool.



FLOW-SEAL INSERTS

Cat. No.	Description	Box Qty.
211	ROUND INSERTS 7 1/2", 190mm	25
212	OVAL INSERTS 9", 225mm	15
217	GIANT OVAL INSERTS 8 1/4", 210mm	10
905	HEAVY-DUTY INSERT TOOL 9", 225mm	
916	GIANT SPIRAL CEMENT TOOL	

TECH Repair Kits

Tech offers an exciting array of repair kits, each designed for a specific repair application. Each kit contains all the necessary products to assure a complete, permanent repair.

MOTORCYCLE, ATV & RUBBER REPAIR KITS



No. 880 MOTORCYCLE TUBELESS TIRE REPAIR KIT for shop use

- contains:
- 1 Box—No. 250UL Uni-Seal Ultras
 - 1 Box—No. 251UL Uni-Seal Ultras
 - 1—No. 261 Uni-Seal cutter
 - 1—No. 704A Rub-O-Matic
 - 1—No. 760 Chemical Vulcanizing Fluid
 - 1—No. 915 Spiral Cement Tool
 - 1—No. 933 rubber scraper
 - 1—No. 935 combination buffer/stitcher
- Packed in a heavy-duty plastic box with handle

No. 883 TUBELESS ON-THE-WHEEL ATV CONSUMER KIT contains:

- 10—No. 204 Flow-Seal Inserts
- 1—10ml tube of Vulcanizing Fluid
- 1—No. 900 insert tool

No. 860 TECHTIGHT RUBBER/CYCLE REPAIR KIT (not shown) contains:

- 3—No. 16 tube repairs
- 1—rubber repair stock which can be cut to proper size
- 1—10ml Vulcanizing Fluid
- 1—metal buffer

Rubber/Cycle repair kit comes packaged in a convenient display dispenser which contains **ten kits**

No. 872 MOTOR KIT NO. 2 (not shown) contains:

- 8—No. 11 tube repairs
- 2—No. 12 tube repairs
- 2—No. 17 tube repairs
- 1—No. 18 tube repair
- 20ml Vulcanizing Fluid
- 1—metal buffer

No. 885 ATV REPAIR KIT contains:

- 8—220 Permacure® repairs
- 2—16g CO2 cartridges*
- Brass CO2 discharge fitting**
- T-handle spiral cement tool with insert needle
- 10ml tube of Tech Chemical Vulcanizing Fluid
- Knife for trimming off repairs
- All in an easy carry pouch

*GC16—16g CO2 replacement cartridges available.

**PSVA—Brass CO2 discharge fitting replacements available.

PTK PERFORMANCE TIRE KIT



No. 898 PERFORMANCE TIRE KIT. A complete kit for Uni-Seal repair of speed rated tire injuries from 1/16" (1.5mm) to 1/4" (6mm), with tool box, contains:

- 1 Box—No. 249W Uni-Seal Plus
- 1 Box—No. 250UL Uni-Seal Ultras
- 1 Box—No. 251UL Uni-Seal Ultras
- 1—No. 269 1/16" (1.5mm) carbide cutter
- 1—No. 270P 1/8" (3mm) carbide cutter
- 1—No. 271P 1/4" (6mm) carbide cutter
- 1—No. TRT104 Injury Measuring Tool
- 1—No. 704A Rub-O-Matic aerosol
- 1—No. 738 Security Coat
- 1—No. 760 Chemical Vulcanizing Fluid
- 1—No. S1032 Air Buffer 2,600 RPM with exhaust kit and quick chuck
- 1—No. S1040 Quick Change Adaptor for 270 carbide cutter
- 1—No. S1041 Quick Change Adaptor for 271 carbide cutter
- 1—No. S1043 1/8" Quick Change Adaptor for 269 Carbide Cutter
- 2—No. S1046 Quick Change Adaptor for S893 and S2027
- 1—No. S893 1 1/2" (40mm) texture brush
- 1—No. S2027 2" mini contour wheel
- 1—No. 910 cement tool
- 1—No. 911 allen wrench for quick adaptors
- 1—No. 913 slip joint pliers
- 1—No. 915 spiral cement tool
- 1—No. 933 rubber scraper
- 1—No. 936 1/8" (3mm) stitcher
- 1 Box—No. 951 white paint sticks, 12 pack
- 1—No. UVEXB blue safety glasses
- 1—No. TK knife
- 1—No. RM-4 repair manual
- 1—No. RM-13 repair manual
- 1—No. RCD1 nailhole repair CD

TRUCK NAIL HOLE REPAIR KIT



No. 896 TRUCK NAIL HOLE REPAIR KIT. A complete kit for road service and repairing of nail holes in both radial and bias tires, with tool box, contains:

- 1 Box—No. 170 (CT-20) radial repairs
- 1 Box—No. 111 All Purpose repairs
- 1 Box—No. 251 1/4" (6mm) Uni Seal stems
- 1 Box—No. 251/38 3/8" (9mm) Uni Seal stems
- 1—No. 271 1/4" (6mm) carbide cutter
- 1—No. 271/38 3/8" (9mm) carbide cutter
- 1—No. TRT105 Injury Measuring Tool
- 1—No. 704A Rub-O-Matic aerosol
- 1—No. 738 Security Coat
- 1—No. 760 Chemical Vulcanizing Fluid
- 1—No. S1032 Air Buffer 2,600 RPM with exhaust kit and quick chuck
- 1—No. S1035 Air Drill 500 RPM with exhaust kit and quick chuck
- 1—No. S1041 Quick Change Adaptor for 271 carbide cutter
- 1—No. S1041/38 Quick Change Adaptor for 271/38 carbide cutter
- 2—No. S1046 Quick Change Adaptor for S892 and RH102
- 1—No. S892 3" soft wire brush
- 1—No. RH102 Rubberhog flared buffing wheel
- 1—No. 919 pointed awl
- 1—No. 915 spiral cement tool
- 1—No. 933 rubber scraper
- 1—No. 936 1/8" (3mm) stitcher
- 1—No. 913 slip joint pliers
- 1—No. 940 skiving knife
- 1 Box—No. 951 white paint sticks, 12 pack
- 1—No. 912 allen wrench for air tools
- 1—No. 911 allen wrench for quick adaptors
- 1—No. UVEXB blue safety glasses
- 1—No. 170TM repair template for 170
- 1—No. 111TM repair template for 111
- 1—No. RT-12 repair video 2-Piece Repair Method
- 1—No. RM-5 repair manual 2-Piece Repair Method

TECH

Vulcanizing Fluids, Cleaners & Mounting Compounds

Tech Chemical Vulcanizing Fluid and Rub-O-Matic® contain no CFC's and are more environmentally friendly than chemicals with CFC's. Rub-O-Matic® removes contamination from the inner liner quick and easy. Tech's Atomizer is a refillable, rechargeable sprayer which uses clean, dry air as the propellant for Tech chemicals. Fast-drying Tech Chemical Vulcanizing Fluid cures tire and tube repairs with or without heat.



TECH VULCANIZING FLUIDS

Cat. No.	Description
760	CHEMICAL VULCANIZING FLUID, 8 oz., 235ml can with brush top
761	CHEMICAL VULCANIZING FLUID, 1 qt., 945ml can
762	CHEMICAL VULCANIZING FLUID, 1 gal., 3.8 liter can (not shown)
763	CHEMICAL VULCANIZING FLUID, 55 gal., 209 liter drum (not shown)
765*	CHEMICAL VULCANIZING FLUID, 50ml tube, box of 24
766*	CHEMICAL VULCANIZING FLUID, 20ml tube, box of 24
767*	CHEMICAL VULCANIZING FLUID, 10ml tube, box of 24
768	FLOW-SEAL VULCANIZING FLUID, 8 oz., 235ml can with brush top For insert use only.
770	FLOW-SEAL VULCANIZING FLUID, 7 oz., 205ml with flip top dispenser
775	HEAVY DUTY BLUE VULCANIZING FLUID 8 oz., 235ml can with brush top
776	HEAVY DUTY BLUE VULCANIZING FLUID 1 qt., 945ml can with brush top
1082	TEMVULC brush type vulcanizing and retread cement for heat vulcanizing applications. 1 qt., 945ml can

*All tubes of Tech Chemical Vulcanizing Fluid come packaged in self-merchandising display cartons. Sold in full box quantities of 24 only.



RUB-O-MATIC®

Cat. No.	Description
704	RUB-O-MATIC, 1 qt., 945ml can
704A	RUB-O-MATIC in aerosol spray can, 11.75 oz., 336g
704G	RUB-O-MATIC, 1 gal., 3.8 liter can
704-5G	RUB-O-MATIC, 5 gal., 19 liter bucket (not shown)
704-55G	RUB-O-MATIC, 55 gal., 209 liter drum (not shown)
975	ATOMIZER, 16 oz., 453.6g, refillable sprayer



TIRE AND TUBE MOUNTING/DEMOUNTING COMPOUNDS, LUBRICANTS AND APPLICATORS

Cat. No.	Description
720	RIM EASE™ TIRE MOUNTING LUBRICANT for all tire mounting/demounting applications, 1 gal., 3.8 liter bottle
720-5G	RIM EASE™ TIRE MOUNTING LUBRICANT for all tire mounting/demounting applications, 5 gal., 19 liter bucket (not shown)
720-55G	RIM EASE™ TIRE MOUNTING LUBRICANT for all tire mounting/demounting applications, 55 gal., 209 liter drum (not shown)
721	MOUNT-O-MATIC concentrate, use mixed with water, 1 pt., 475ml with rust inhibitor
722	TIRE AND TUBE MOUNTING COMPOUND, 8 lb., 3.63kg with rust inhibitor
723	HEAVY DUTY TIRE AND TUBE MOUNTING COMPOUND 25 lb., 11.34kg with rust inhibitor. Excellent for bead packing.
723M	MURPHY'S TIRE AND TUBE MOUNTING COMPOUND 25 lb., 11.34kg with rust inhibitor
725M	MURPHY'S BLACK TIRE AND TUBE MOUNTING COMPOUND 35 lb., 15.91kg with rust inhibitor
783	MOUNTING/DEMOUNTING PASTE, 8 lb., 3.7kg bucket
963	FUNNEL is threaded to fit neck of No. 720 container for easy use of swab
964	SWAB, cotton, 15", 375mm length
965	SWAB, cotton, 11", 275mm length
971	ANGLED LUBE BRUSH for application of Cat. No. 783 Mounting/Demounting Paste

TECH Chemicals and Cleaners

Bead Breaker frees stubborn beads from rim and simplifies demounting operation.

Bead Sealer seals small leaks between bead and wheel flange.

Security Coat restores overbuff on tubeless tire innerliners.

Tech-Chek concentrate detects hard to locate leaks.

Tech Hand Cleaners clean hands after tough work.



TECH CHEMICALS

Cat. No.	Description
734	BEAD BREAKER, 1 gal., 3.8 liter can
734Q	BEAD BREAKER, 1 qt., 945ml can
734-5G	BEAD BREAKER, 5 gal., 19.0 liter can (not shown)
734-55G	BEAD BREAKER, 55 gal., 209 liter drum (not shown)
735	BEAD SEALER, 1 qt., 945ml can
735G	BEAD SEALER, 1 gal., 3.8 liter can (not shown)
735-5G	BEAD SEALER, 5 gal., 19.0 liter can (not shown)



TECH CHEMICALS

Cat. No.	Description
706-1	TIRE TALC, 1 lb., .5kg
738	SECURITY COAT overbuff innerliner sealant, 16 fluid oz., 470ml
751	TECH-CHEK concentrate, 1 qt., 945ml bottle
753	AIR TOOL OIL, 1 qt., 945ml container
418-08910	MARKAL EZ BREAK, Anti-Seize, 10 oz., 294ml can with brush in cap
418-08907	MARKAL EZ BREAK, Anti-Seize, 16 oz., 470ml can with brush in cap
969	SPRAY BOTTLE, 16 oz., 470ml
969B	REPLACEMENT SPRAY BOTTLE ONLY, 16 oz., 470ml
969S	REPLACEMENT SPRAYER FOR 969
PB-ATC	AIR TOOL CONDITIONER, net wt. 12 oz., 339g
PB-B	PB BLASTER net wt. 12 oz., 339g

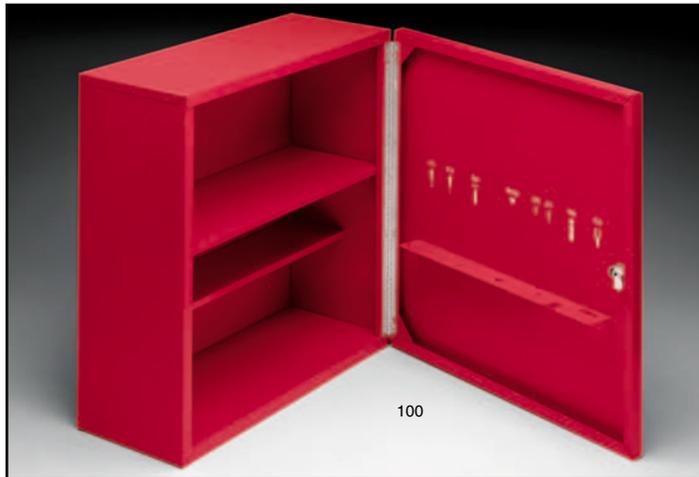


TECH CLEANERS

Cat. No.	Description
728	HAND SOAP, 1 gal., 3.8 liter container
729	HAND PUMP DISPENSER, for 728 hand soap
730	MEDICATED HAND CLEANER, 4 1/2 lb., 2.05kg can
730C	CITRUS MEDICATED HAND CLEANER, 4 1/2 lb., 2.05kg can
731	HAND CLEANER DISPENSER for use on 730 and 732 cans
732	PUMICE HAND CLEANER, 4 1/2 lb., 2.05kg can
732C	CITRUS PUMICE HAND CLEANER, 4 1/2 lb., 2.05kg can

TECH

Storage Cabinets and Workstation



100 CABINET AND TIRE TENDER

Cat. No.	Description (Products sold separately)
100	The locking 100 CABINET complements the Uni-Seal tire repair system with material storage area and a Uni-Seal repair tool organizer on the inside of the door. Tool organizer slots will hold the following tools: <ul style="list-style-type: none"> ■ 910 Cementing Tool ■ 915 Spiral Cement Tool ■ 933 Rubber Scraper ■ RH-102 Contour Wheel ■ 270 Carbide Cutter ■ 271 Carbide Cutter ■ 936 Stitcher ■ 973 Diagonal Pliers ■ Outside dimensions 20.5" x 20.5" x 9" (520mm x 520mm x 225mm)

Cat. No.	Description (Products sold separately)
214	High impact plastic TIRE TENDER (not shown) conveniently carries Flow-Seal inserts, Permacures, cement and tools required for on the wheel repair of tires not for highway service. Container will hold: <ul style="list-style-type: none"> ■ Nos. 204, 206 Flow-Seal Inserts ■ No. 770, Flow-Seal Vulcanizing Fluid ■ Cementing and inserting tools, No. 915 and No. 920 ■ Extra room for small accessories
200	Empty TIRE TENDER only (not shown)



400 CABINET

Cat. No.	Description (Products sold separately)
400	400 CABINET stores and dispenses Tech tube repairs, Centech radial repairs, Uni-Seals, stems, Rub-O-Matic and Tech Vulcanizing Fluid. Bottom drawer can be used for tubeless tire valves and air appliances. Dispenses: <ul style="list-style-type: none"> ■ Nos. 11, 12, and 13 tube repairs ■ Nos. 165 (CT-10), 167 (CT-12), 169 (CT-14), 170 (CT-20), 177 (CT-33) or 180 (CT-40) Centech radial repairs ■ Stems ■ Uni-Seal Ultras Nos. 250UL and 251UL ■ Plenty of storage area for additional boxes of repair units, Rub-O-Matic, Vulcanizing Fluid and tools ■ Outside dimensions 21" x 17" x 12 1/2" (535mm x 430mm x 320mm)



500 FREE-STANDING WORKSTATION

Cat. No.	Description (Products sold separately)
500	FREE-STANDING WORKSTATION eliminates the clutter and disorganization of the repair work area. This easy-to-assemble unit keeps all Tech tire repair tools and materials within easy reach. Holds: <ul style="list-style-type: none"> ■ Nos. 280, 282, 283, 284 and 286 burrs ■ Two No. S-872 and one each No. S-873, S-875 and S-879 stones ■ Nos. 940, 941, and 942 skiving knives ■ No. 913 pliers, wire pullers, crayons ■ No. 938 Security Coat ■ Vulcanizing Fluids, Rub-O-Matic ■ No. 933 scraper ■ No. 936 stitcher ■ Air buffers ■ 3 1/2" (90mm) contour wheel ■ 2 1/2" (65mm) contour wheel ■ 2" (50mm) encapsulated brush ■ 3" (75mm) brush ■ Coarse and fine grit round faced rasps ■ No. S-896 skive brush ■ Nos. 270, 270P, 271, 271P, 271/38 and 272 Carbide Cutters ■ Nos. 261, 262, 263 and 264 Uni-Seal cutters ■ No. 915 Spiral Cement Tool ■ Nos. 918 or 919 awls

TECH

Tools and Accessories



Tech tools and accessories are made of the highest quality materials and are designed to make your tire repair job easier and faster.

MISCELLANEOUS TIRE REPAIR TOOLS

Cat. No.	Description
913	SLIP JOINT PLIERS, 8", 200mm
931	WIRE BUFFER—rim/battery terminal
973	DIAGONAL PLIERS, 6", 150mm



INSERT TOOLS

Cat. No.	Description
900	INSERT TOOL, 3", 75mm
901	INSERT TOOL, 6", 150mm
905	HEAVY-DUTY INSERT TOOL, 9", 225mm
920	INSERT-O-MATIC TOOL
921	PASSENGER REPLACEMENT NEEDLE
923	INSERT-O-MATIC TRUCK NEEDLE



CEMENT TOOLS & HAND TOOLS

Cat. No.	Description
910	CEMENT TOOL
914	SPIRAL CEMENT DRILL TOOL
915	SPIRAL CEMENT TOOL
916	GIANT SPIRAL CEMENT TOOL
966	WHITEWALL CLEANING BRUSH with brass bristles
974	INNERLINER BRUSH with stainless steel bristles
TRT105	TIRE INJURY MEASURE TOOL, color coded, allows quick, easy measurement of tire injuries from 1/16", 1.5mm to 1/2", 13mm



PERMACURE TOOLS

Cat. No.	Description
911	PERMACURE ALLEN WRENCH
925	PERMACURE PASSENGER TOOL
925E	PERMACURE E.M. TOOL
925T	PERMACURE TRUCK TOOL—Same as No. 925 except longer needle for truck application
926	PERMACURE PASSENGER REPLACEMENT NEEDLE
927	PERMACURE TRUCK REPLACEMENT NEEDLE
928	PERMACURE E.M. REPLACEMENT NEEDLE



STITCHERS AND SCRAPERS

Cat. No.	Description
933	RUBBER SCRAPER
935	STITCHER/BUFFER
936	STITCHER, 1 1/2", 38mm x 1/8", 3mm
938	STITCHER, 1 1/2", 38mm x 1/32", 0.8mm
939	STITCHER, 2", 50mm x 1/4", 5mm

TECH Tools and Accessories



TOOL TRAY FOR RIM CLAMP TIRE CHANGERS

Cat. No.	Description
929	TOOL TRAY fits all swing arm single rim clamp changers (product not included). Tray is made of heavy-duty plastic and mounts high on rear post, keeping dust and debris out of tray and away from any product.



TIRE CHANGER PARTS AND ACCESSORIES

Cat. No.	Description
TMR106259	LUBE BUCKET for Model RC 15, 20, 5060 and 5070 (straight)
TMR106572	LUBE BUCKET for Model 4040, 4040SA and 4050 (angle design)
TMR107517	PROTECTIVE LENS COVER for gauge on tire changer
TMR107518	AIR GAUGE for old style tire changer
TMR107985	AIR GAUGE for Model 4040 tire changer



MISCELLANEOUS TOOLS AND ACCESSORIES

Cat. No.	Description
944	MX TIRE MOUNTING CLAMP mounts V, H and Z high speed, low profile tires. Heavy duty plastic will not mar or scratch decorative or aluminum wheels
972	CHROME NUT COVER PULLER
977	SOFT HEAD WHEEL WEIGHT HAMMER for installation/removal of coated wheel weights
978	PASSENGER WHEEL WEIGHT HAMMER
979	TRUCK WHEEL WEIGHT HAMMER
988	MOUNTING END PROTECTOR for tire changing tool
989	DEMOUNTING END PROTECTOR for tire changing tool
990	WHEEL RIM GUARD—to prevent scratching and marring of wheel when using lug wrench tools
KEN30606	CHROME NUT COVER PULLER, HEAVY DUTY



ROUND AND HEX-SHAPED PAINT MARKING CRAYONS, PAINT STICKS AND CRAYON HOLDER

Cat. No.	Description
948	MARKAL WHITE B-PAINT STICK, 12 per box
948Y	MARKAL YELLOW B-PAINT STICK, 12 per box
949	CRAYON HOLDER, designed to fit Tech's hex tire paint marking crayons
950	YELLOW TIRE CRAYON, 12 per box (not shown)
951	WHITE PAINT CRAYON, 12 per box
951R	RED PAINT CRAYON, 12 per box, special order only
951Y	YELLOW PAINT CRAYON, 12 per box, special order only
951B	BLUE PAINT CRAYON, 12 per box, special order only
951G	GREEN PAINT CRAYON, 12 per box, special order only

TECH Air Tools & Impact Wrenches



Tech is pleased to offer a full range of Air Tools from Florida Pneumatic. Florida Pneumatic, a 35-year-old company, provides the highest quality products and service available in the industry today. All products are supported by over 100 established factory authorized service centers.

AIR TOOLS AND ACCESSORIES



Cat. No.	Description
S990	RAPID ACTION AIR HAMMER recommended tool for agricultural, truck and OTR repair installation. Develops 3,700 strikes per minute at 90 p.s.i. Comes with safety chuck holder.
S991	REPLACEMENT SAFETY CHUCK HOLDER
S992	REPAIR INSTALLATION HAMMER 1/2", 15mm diameter
S1032	LOW RPM GEAR HEAD REAR EXHAUST AIR BUFFER Ideal for preparing all rubber surfaces. Three gear head produces 2600 max. rpm at 90 psi. Complete with exhaust hose and quick change chuck.
S1035	500 RPM REVERSIBLE DRILL excellent for removing damaged rubber and steel. Complete with quick change chuck and exhaust kit. For use with carbide cutters 269-272, max. 90 psi.
FP-708	HIGH RPM, REAR EXHAUST AIR BUFFER Excellent for preparing steel cables. 20,000 max. rpm at 90 psi. Complete with Jacobs chuck exhaust kit.
FP-755	LOW RPM, GEAR HEAD REAR EXHAUST AIR BUFFER ideal for preparing all rubber surfaces. 4500 max. rpm at 90 psi. Threaded arbor 3/8", 24 thread. Optional S1037 rear exhaust kit available.

CAUTION: Always wear eye protection.

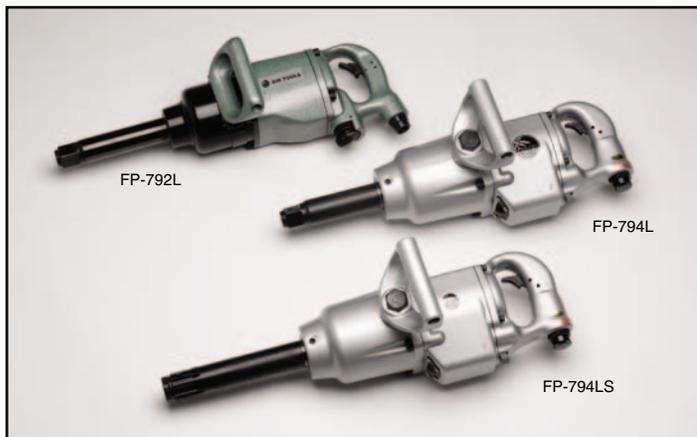
FLORIDA PNEUMATIC IMPACT GUNS & RATCHETS



Cat. No.	Description	Max Torque (90 PSI)	Weight (lb. / kg)	Length (in. / mm)	Air Cons (CFM)
FP-700	1/2" IMPACT LOW NOISE	700 ft./lbs.	4.5 / 2.1	7 / 178	18
FP-700L	1/2" IMPACT LOW NOISE	700 ft./lbs.	4.5 / 2.1	7 / 178	18
FP-730	3/8" RATCHET	60 ft./lbs.	2.5 / 1.2	10.5 / 267	4
FP-744	1/2" IMPACT	500 ft./lbs.	5.75 / 2.6	8.5 / 216	8
FP-744L	1/2" IMPACT, 2" ANVIL	500 ft./lbs.	6.0 / 2.7	9.25 / 235	8
FP-744HL	1/2" IMPACT, 2" ANVIL HANDLE EXHAUST	550 ft./lbs.	6.0 / 2.7	9.25 / 235	8
FP-746L	1/2" IMPACT	620 ft./lbs.	6.0 / 2.7	9.25 / 235	8
FP-775C	3/4" IMPACT WRENCH	900 ft./lbs.	11 / 5	9.25 / 235	8

CAUTION: Always wear eye protection.

FLORIDA PNEUMATIC LARGE IMPACT GUNS & ACCESSORIES



Cat. No.	Description	Max Torque (90 PSI)	Weight (lb. / kg)	Length (in. / mm)	Air Cons (CFM)
FP-792L	1" SUPER DUTY	1800 ft./lbs.	24 / 10.9	20 / 508	12
FP-794L	1" HEAVY DUTY	1400 ft./lbs.	30 / 13.6	22 / 559	12
FP-794LS	1" HEAVY DUTY SPLINE DRIVE	1400 ft./lbs.	30 / 13.6	22 / 559	12
WH1212	1/2", 2 FT. WHIP HOSE	1/2" I.D. hose with 1/2" male fittings (not shown)			
WH1238	2 FT. WHIP HOSE	1/2" I.D. hose with 3/8" male fittings (not shown)			
WH3814	2 FT. WHIP HOSE	3/8" I.D. hose with 1/4" male fittings (not shown)			

*Impact wrench covers available.

*Quick couplers available, see page 50.

CAUTION: Always wear eye protection.

TECH

Air Tools and Accessories

Tech offers a complete line of air buffers and accessories, eye protection and repair light.

AIR TOOLS AND EYE PROTECTION



CAUTION: Always wear eye protection.

Cat. No.	Description
S918	POLYCARBONATE GLASSES (not shown)
S921	COMPLETE FACE SHIELD
S922	REPLACEMENT SHIELD FOR S921
S999	QUICK SPIFF AIR POWERED VACUUM Self contained one piece vacuum comes with 16", 400mm hose, 3", 75mm dust brush and 9", 225mm crevice tool.
S1036	LOW RPM, GEAR HEAD REAR EXHAUST AIR BUFFER Ideal for preparing all rubber surfaces. 4000 max. rpm at 90 psi. Threaded arbor $\frac{3}{8}$ ", 24 thread. Optional S1037 rear exhaust kit available.
S1037	REAR EXHAUST KIT for use with S1032, S1035, S1036, S1039 and SLP6550.
S1039	HIGH RPM, REAR EXHAUST AIR BUFFER Excellent for preparing steel cables. 22,000 max. rpm at 90 psi. Threaded arbor $\frac{3}{8}$ ", 24 thread. Optional S1037 rear exhaust kit available.
SLP6550	3,500 RPM HIGH TORQUE SKIVING AIR BUFFER Threaded arbor $\frac{3}{8}$ " with quick chuck. Made in U.S.A.
UVEXB	UVEX ASTROSPEC 3000 SAFETY GLASSES with blue frame

ADAPTORS, CHUCKS AND ACCESSORIES



CAUTION: Always wear eye protection.

Cat. No.	Description
S1010	DRILL CHUCK AND KEY for all Tech air buffers and drill
S1040	QUICK CHANGE ADAPTOR for No. 270 and No. 270P carbide cutters. For use in S1045 quick change chuck.
S1041	QUICK CHANGE ADAPTOR for No. 271 and No. 271P carbide cutters. For use in S1045 quick change chuck.
S1041/38	QUICK CHANGE ADAPTOR designed to accept a No. 271/38 and No. 272 carbide cutter. (not shown) Use 912 Allen Wrench for tightening. (not shown)
S1043	$\frac{1}{8}$ " QUICK CHANGE ADAPTOR permits use of tools with $\frac{1}{8}$ ", 3mm shank to be adapted to S1045 chuck.
S1044	$\frac{1}{4}$ " QUICK CHANGE ADAPTOR permits use of tools with $\frac{1}{4}$ ", 6mm shank to be adapted to S1045 chuck.
S1045	QUICK CHANGE CHUCK used with S1040-S1047XL for fast, easy removal of buffer accessories. For all Tech air buffers and drill.
S1046	QUICK CHANGE SHORT ADAPTOR $\frac{3}{8}$ ", 24 thread. One flat washer, one nut included. $\frac{1}{2}$ ", 13mm thread length.
S1046D	QUICK CHANGE ADAPTOR for RSB-3 brush (not shown)
S1047	QUICK CHANGE LONG ADAPTOR $\frac{3}{8}$ ", 24 thread. One flat washer, one nut included. 1", 25mm thread length.
S1047XL	QUICK CHANGE EXTRA LONG ADAPTOR $\frac{3}{8}$ ", 24 thread adaptor. $1\frac{1}{4}$ ", 45mm thread length. Two nuts and one flat washer included. For rasps, buffing wheels and brushes where extra length is required.
S1048	DRILL CHUCK SHORT ADAPTOR $1\frac{1}{2}$ ", 40mm, $\frac{3}{8}$ ", 24 thread. For use with S1010 drill chuck.
S1049	DRILL CHUCK LONG ADAPTOR $2\frac{1}{4}$ ", 70mm, $\frac{3}{8}$ ", 24 thread. Two nuts included. For use with S1010 drill chuck.

REPAIR LIGHT AND PARTS



Cat. No.	Description
S1055N	FLUORESCENT REPAIR LIGHT 110V only, 25 ft., 7.5m power cord
S1056	FLUORESCENT REPLACEMENT BULB
S1057	REPLACEMENT SHIELD

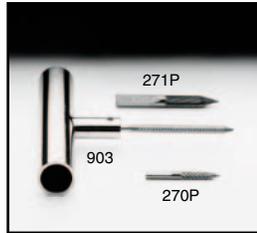
TECH/ SHERBO

Carbide Cutters, Carbide Burrs and Buffing Stones for Steel Cables

Tech diamond-cut Carbide Cutters and Burrs are innovative skiving tools. They are used to remove damaged steel cables and loose wire in radial tires and are a quick and efficient way to minimize the size of the injury.

Tech's steel T-Handle cutter properly prepares 1/8", 3mm and 1/4", 6mm injuries in passenger and light truck tires. Not for use in truck tires.

Sherbo buffing stones for steel constructed tires are used to remove all loose steel wire around a tire injury. Stones are Aluminum Oxide hardbound 60-grit, mounted on steel shafts.



CAUTION: Always wear eye protection.

SMALL CARBIDE CUTTERS AND HIGH SPEED STEEL CUTTER FOR PASSENGER AND LIGHT TRUCK TIRES ONLY

Cat. No. Description

*270P	CARBIDE CUTTER, 2", 50mm length, for 1/8", 3mm injuries
*271P	CARBIDE CUTTER, 3", 75mm length, for 1/4", 6mm injuries
903	STEEL T-HANDLE CUTTER to prepare 1/8", 3mm and 1/4", 6mm injuries. Cutting surface length: 2 3/8", 60mm. Diameter: 3/16", 5mm. Not for use in truck tires.
903RC	STEEL REPLACEMENT CUTTER only

*1200 rpm maximum

CARBIDE CUTTERS

Cat. No. Description

*269	CARBIDE CUTTER, 3", 75mm length for 1/16", 1.5mm injuries (not shown)
*270	CARBIDE CUTTER, 3", 75mm length for 1/8", 3mm injuries
*271	CARBIDE CUTTER, 4", 100mm length for 1/4", 6mm injuries
*271/38	CARBIDE CUTTER, 4 9/16", 120mm length for 3/8", 10mm injuries
*272	CARBIDE CUTTER, 5", 125mm length for 1/2", 13mm injuries

*1200 rpm maximum

CARBIDE CUTTER KIT

No. 275 CARBIDE CUTTER KIT contains:

- 1—No. 270 Carbide Cutter with S1040 Adaptor. Cutter diameter 1/8", 3mm
 - 1—No. 271 Carbide Cutter with S1041 Adaptor. Cutter diameter 1/4", 6mm
 - 1—No. 271/38 Carbide Cutter with S1041/38 Adaptor. Cutter diameter 3/8", 10mm
 - 1—No. 272 Carbide Cutter with S1041/38 Adaptor. Cutter diameter 1/2", 13mm
- Above adaptors to be used with S1045 Quick Change chuck.**



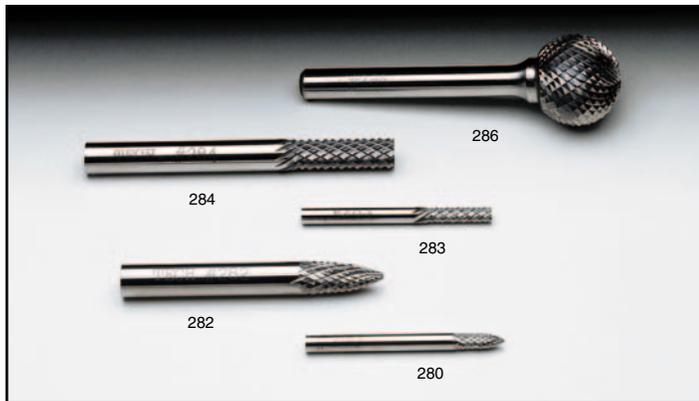
CAUTION: Always wear eye protection.

DIAMOND-CUT BURRS

Cat. No. Description Shaft Size

280	MINI-POINTED CARBIDE BURR 1 1/4", 30mm length	1/8", 3mm
282	POINTED END CARBIDE BURR 2", 50mm length	1/4", 6mm
283	MINI-ROUTER CARBIDE BURR 1 1/2", 40mm length	1/8", 3mm
284	ROUTER CARBIDE BURR, 2 1/2", 65mm length	1/4", 6mm
284C	COARSE-CUT ROUTER CARBIDE BURR 2 1/2", 65mm length (not shown)	1/4", 6mm
286	BALL-SHAPED CARBIDE BURR 2 3/4", 70mm length, 3/4", 20mm dia.	1/4", 6mm

NOTE: When using Cat. Nos. 280, 282, 283, 284, 284C and 286, a buffer achieving 20,000 to 30,000 rpm will produce best results.



CAUTION: Always wear eye protection.

ALUMINUM OXIDE STONES

Cat. No. Description Max RPM

S870	MINI-PENCIL STONE, 7/16", 10.5mm mounted on a 1/8", 3mm shaft	30,000
S872	PENCIL STONE, 1 1/16", 25mm long 5/16", 10mm width	47,000
S872S	SMALL PENCIL STONE, 1 1/16", 25mm long 1/4", 6mm width (not shown)	47,000
S873	MUSHROOM STONE, 1 5/8", 40mm dia., mounted on a 1/4", 6mm shaft	23,500
S874	MINI-MUSHROOM STONE, 1/2", 13mm x 1/4", 6mm mounted on a 1/8", 3mm shaft	30,000
S875	CONICAL STONE, 1 1/8", 20mm x 3/4", 20mm wide mounted on a 1/4", 6mm shaft	33,500
S879	MUSHROOM STONE, 1 1/4", 30mm dia., mounted on a 1/4", 6mm shaft	30,500



CAUTION: Always wear eye protection.

RUBBERHOG® Tools

SSG (Patent No. 3,918,217) Tooth Size Comparison

It is impossible to make a direct comparison between the SSG cutting tooth sizes and the various sizes of relatively crude copper-brazed "carbide grits." However, the following size comparison will help you select the appropriate tooth size for a particular tool.

SSG #330 and #390 replaces #16 Grit.

SSG #230 replaces #23 and #36 Grit.

SSG #170 replaces #60 and more fine Grit sizes.

Restructure service no longer available.

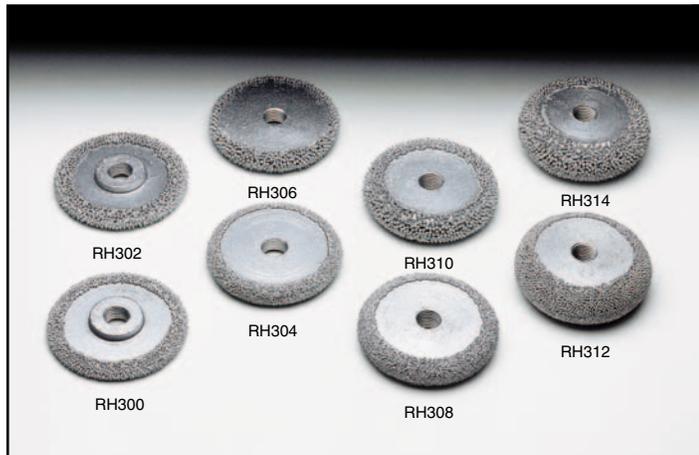
Rubberhog is a registered trademark of L.R. Oliver Company.



CAUTION: Always wear eye protection.

FLARED CONTOUR WHEELS & POLYURETHANE INSERTS

Cat. No.	Diameter	Width	Hole	SSG
RH102	2", 50mm	3/4", 20mm	3/8", 10mm	170
RH104	2", 50mm	3/4", 20mm	3/8", 10mm	230
RH107	2 1/2", 65mm	1", 25mm	3/8", 10mm	170
RH109	2 1/2", 65mm	1", 25mm	3/8", 10mm	230
RH111	2 1/2", 65mm	1", 25mm	3/8", 10mm	390
RH118	3 1/2", 90mm	1 1/2", 40mm	3/8", 10mm	170
RH120	3 1/2", 90mm	1 1/2", 40mm	3/8", 10mm	230
RH122	3 1/2", 90mm	1 1/2", 40mm	3/8", 10mm	390
RH129P (not shown)	4", 100mm	1 1/2", 40mm	3/4", 20mm	390
RH152	2 1/2", 65mm insert for RH107, RH109, RH111		3/8", 10mm	
RH156	3 1/2", 90mm insert for RH118, RH120, RH122		3/8", 10mm	



CAUTION: Always wear eye protection.

ROUND FACED BUZZOUT WHEELS

Cat. No.	Diameter	Width	Hole	SSG
RH300	2", 50mm	1/4", 6mm	3/8", 24 thread	230
RH302	2", 50mm	1/4", 6mm	3/8", 24 thread	390
RH304	2", 50mm	3/8", 10mm	3/8", 24 thread	230
RH306	2", 50mm	3/8", 10mm	3/8", 24 thread	390
RH308	2", 50mm	1/2", 13mm	3/8", 24 thread	230
RH310	2", 50mm	1/2", 13mm	3/8", 24 thread	390
RH312	2", 50mm	3/4", 20mm	3/8", 24 thread	230
RH314	2", 50mm	3/4", 20mm	3/8", 24 thread	390



CAUTION: Always wear eye protection.

TAPERED CONES, BALLS, TAPERS, ROTOR SAW

Cat. No.	Diameter	Width	Hole/Shaft	SSG
RH505	7/8", 25mm	2", 50mm	3/8", 24 thread	230
RH507	7/8", 25mm	2", 50mm	3/8", 24 thread	390
RH509	7/8", 25mm	4", 100mm	3/8", 24 thread	230
RH511	7/8", 25mm	4", 100mm	3/8", 24 thread	390
RH551	1 1/8", 30mm		3/8", 24 thread	230
RH553	1 1/8", 30mm		3/8", 24 thread	390
RH601	5/8", 15mm		1/4", 6mm	330
RH603	7/8", 25mm		1/4", 6mm	330
RH611	5/8", 15mm	1", 25mm	1/4", 6mm	330
RH613	7/8", 25mm	1 1/4", 30mm	1/4", 6mm	330
RH619	1 3/8", 35mm	1/4", 6mm	1/4", 6mm	330

RUBBERHOG® Tools



CAUTION: Always wear eye protection.



CAUTION: Always wear eye protection.

PENCIL RASPS

Cat. No.	Diameter	Width	Shaft	SSG
RH625	1/4", 6mm	3", 75mm	1/4", 6mm	230
RH626	5/16", 7mm	3", 75mm	1/4", 6mm	330
RH627	3/8", 10mm	3", 75mm	1/4", 6mm	330

KUTZALL KIT, CATALOG NO. RH635, 4-PIECE KIT contains:

Head Shape	Diameter	Width	Shaft	SSG
Taper	1/8", 3mm	7/8", 25mm	1/8", 3mm	170
Taper	1/4", 6mm	5/8", 15mm	1/8", 3mm	170
Rotor/Saw	1/2", 13mm	1/8", 3mm	1/8", 3mm	170
Ball	3/8", 10mm	—	1/8", 3mm	170

SHERBO Wire Brushes

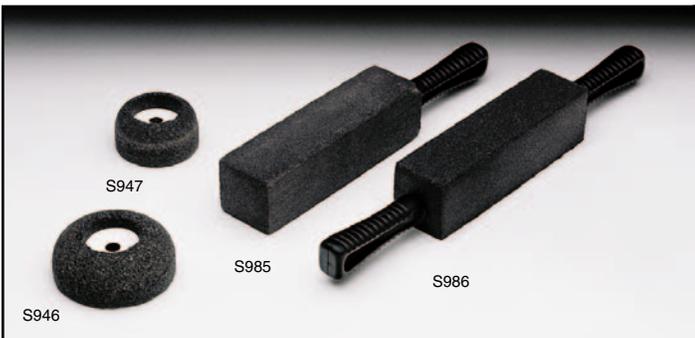


CAUTION: Always wear eye protection.

WIRE BRUSHES

Cat. No.	Description
RSB3	RADIAL SKIVE BRUSH for quick removal of rubber during buzzouts. 3", 75mm dia., 5000 rpm max. 1/2", 13mm arbor hole with 3/8", 10mm reducer. (not shown)
S890	POLYURETHANE ENCAPSULATED BRUSH to remove rubber around steel cables. 2", 50mm, 5000 rpm max. 1/2", 13mm arbor hole with 3/8", 10mm reducer.
S891	POLYURETHANE ENCAPSULATED BRUSH to remove rubber around steel cables. 3", 75mm, 5000 rpm max. 1/2", 13mm arbor hole with 3/8", 10mm reducer.
S892	TEXTURE BRUSH removes scorched rubber in finished buzzouts. Contains 2-3", 75mm brushes and 2-2", 50mm flat washers to keep bristles firm. 5000 rpm max.
S893	SOFT WIRED TEXTURED BRUSH textures rubber in small buzzouts. Also, an ideal tool to texturize along cables in section repairs. 1 1/2", 40mm.
S894	RIM CLEANING BRUSH, 2", 50mm. 5000 rpm max.
S896	SKIVE BRUSH removes scorched rubber in skived area. 1/2", 13mm, .005 wire. 4000 rpm max.
S897	RUBBER ENCAPSULATED BRUSH to remove rubber surrounding steel cables. 2", 50mm. 5000 rpm max. 3/8", 10mm arbor hole.
S898	RUBBER ENCAPSULATED BRUSH to remove rubber surrounding steel cables. 3", 75mm. 5000 rpm max. 3/8", 10mm arbor hole.

SHERBO Sharpeners and Buffing Stones



CAUTION: Always wear eye protection.

SHARPENERS AND BUFFING STONES

Cat. No.	Description
S946	BUFFING STONE, 4", 100mm x 1 1/2", 40mm. Used for texturizing areas in truck and off-the-road tires. Available with 1/2", 13mm or 5/8", 15mm arbor hole. 4200 rpm max.
S947	46 GRIT BUFFING STONE excellent for preparing surfaces of truck, agri., and E.M. tires and tubes. 3", 75mm x 1 1/2", 40mm, 3/8", 10mm arbor hole. 6250 rpm max.
S985	JET RASP SHARPENER, SINGLE HANDLE
S986	JET RASP SHARPENER, DOUBLE HANDLE

SHERBO

Buffing Wheels, Tungsten Carbide Rasps and Cups

Sherbo tungsten carbide buffing wheels and cups have an air-cooled design which permits faster, cooler and cleaner buffing and helps eliminate the burning of rubber.

WHEELS

Cat. No. Description

S1009	BC-2 WHEEL, a 2", 50mm dia. wheel. For tube repairs and light work. 5000 rpm max.
S1011	BC-1 WHEEL, a 2 1/2", 65mm dia. wheel. For tube repairs and light work. 5000 rpm max.
S1011-1	TWO BC-1 WHEELS placed back-to-back with S1049 threaded arbor adaptor. 5000 rpm max.
S2032	NO. 60 HB NICKEL CHROMIUM BUFFING WHEEL designed to outlast copper colored wheels. For texturizing of tubes and innerliners. 2 1/2", 65mm dia., 3/8", 10mm arbor hole. 5000 rpm max.
S2033	POLYURETHANE INSERT to fit inside of S2032 to assure longevity and proper shape.



CAUTION: Always wear eye protection.

ROUND FACED RASPS

Cat. No.	Ø or Length	Width	Hole	Grit
S2000	2", 50mm	1/4", 6mm	3/8", 24 thread	16
S2001	2", 50mm	1/4", 6mm	3/8", 24 thread	36
S2002	2", 50mm	1/2", 13mm	3/8", 24 thread	16
S2003	2", 50mm	1/2", 13mm	3/8", 24 thread	36
S2004	2", 50mm	3/4", 20mm	3/8", 24 thread	16
S2005	2", 50mm	3/4", 20mm	3/8", 24 thread </td <td>36</td>	36
S2204	2", 50mm	1/8", 3mm	3/8", 24 thread	16

The maximum speed for items S2000 through S2204 is 5000 rpm.



CAUTION: Always wear eye protection.

PENCIL RASPS, TAPERED CONE RASPS

Cat. No.	Ø or Length	Width	Hole	Grit
S2006	2 1/2", 65mm	1/4", 6mm	—	16
S2007	2 1/2", 65mm	1/4", 6mm	—	36
S2008	4", 100mm	3/4", 20mm	3/8", 24 thread	16
S2009	4", 100mm	3/4", 20mm	3/8", 24 thread	36
S2010	2", 50mm	1", 25mm	3/8", 24 thread	16
S2011	2", 50mm	1", 25mm	3/8", 24 thread	36

The maximum speed for items S2006 through S2011 is 5000 rpm.



CAUTION: Always wear eye protection.

CONTOUR CUPS

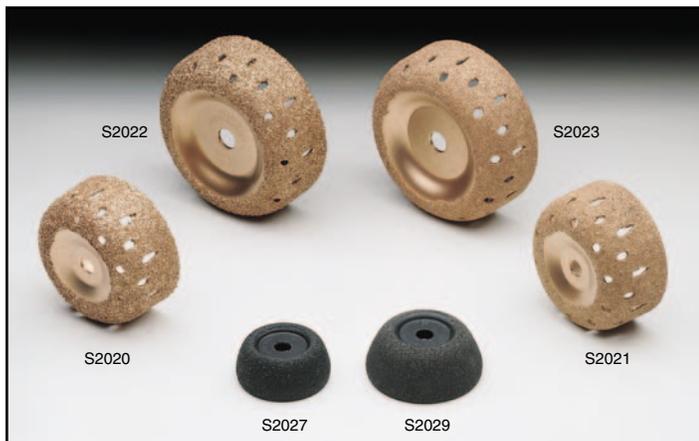
Cat. No.	Ø or Length	Width	Hole	Grit
S2020	3", 75mm	1 1/2", 40mm	3/8", 10mm	36
S2021	3", 75mm	1 1/2", 40mm	3/8", 10mm	60
S2022	4", 100mm	1 1/2", 40mm	1/2", 13mm	36
S2023	4", 100mm	1 1/2", 40mm	1/2", 13mm	60
S2027	2", 50mm	3/4", 20mm	3/8", 10mm	60
S2029	2 1/2", 65mm	1", 25mm	3/8", 10mm	60

The maximum speed for items S2020 through S2029 is 5000 rpm.

The use of an S2047 (page 36) is necessary when using S2022 and S2023 with quick change adaptors.

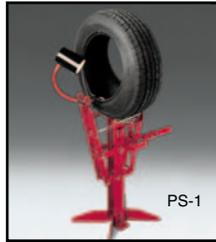
S2027 designed with non-aggressive grit for passenger tire inner liner and tube buffing.

S2029 designed with non-aggressive grit for medium truck tire inner liner and tube buffing.



CAUTION: Always wear eye protection.

TECH Tools and Accessories



TECH PASSENGER/LIGHT TRUCK SPREADER



Cat. No.	Description
PS-1	Manual-operated PASSENGER/LIGHT TRUCK SPREADER with light. Can be adjusted to fit a wide range of passenger and light truck tires.

TIRE SPREADER AND ADAPTORS



Cat. No.	Description
981	PASSENGER, LIGHT TRUCK AND MOTORCYCLE SPREADER adjusts to handle sizes from motorcycle utility tires through the wide high-performance tires. Designed to fit most center post tire machines.
983	BENCH MOUNT ATTACHMENT mounts the 981 tire spreader.
984	TIRE SPREADER ADAPTOR STAND for rim clamp tire changers.

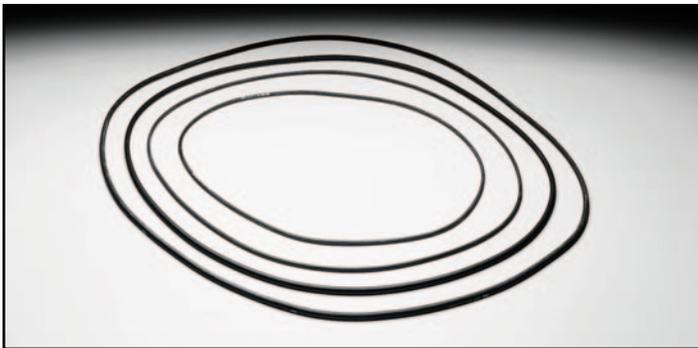


TECH CHEETAH BEAD SEATERS



Cat. No.	Description
CH5	Five gallon Cheetah with steel tank
*CH5AL	Five gallon Cheetah with aluminum tank
*CH10	Ten gallon Cheetah with steel tank
*CH10AL	Ten gallon Cheetah with aluminum tank
*CH13MC	Thirteen gallon Magnum complete, includes regular barrel, Magnum tube barrel, universal stand, tractor stand, standard whip hose, ten foot air hose, tie down strap, four wedges, and safety goggles.
*CH13MTO	Thirteen gallon Cheetah magnum tank only, includes tank, Magnum I barrel, the standard barrel, and safety goggles
*CH13ALMTO	Thirteen gallon Cheetah aluminum tank only
*CH13ALC	Thirteen gallon Cheetah aluminum tank, complete
*CH60 Big Cheetah	Adjustable bead seating system includes: tank, twenty foot whip hose, two eight foot sections of 2 1/2", 65mm air hose, and tractor wheel stand
*CH60 Less Tank	Adjustable bead seating system less tank includes everything except sixty-gallon tank
*CH-3	Cheetah safety cage inflate system. The cage on this system is optional and includes: the bead seating system that installs into a cage and the regulator to inflate the tire.
*CHR1	Cheetah safety flate which allows you to inflate four tires at the same time to regulated pressure

See your Tech distributor or contact Tech International for a description of all Tech Cheetah accessories available.



O-RINGS



Cat. No.	Description	Rim Ø
952	O-RING, 24-JM Highway JM Rim	24"
953	O-RING, 220-TG Grader	20"
954	O-RING, 224-TG Grader	24"
955	O-RING, 25-T Earthmover (Small)	25"
956	O-RING, 325-T Earthmover	25"
957	O-RING, 329-T Earthmover	29"
958	O-RING, 333 Earthmover	33"
959	O-RING, 335-T Earthmover	35"
960	O-RING, 339-T Earthmover	39"
961	O-RING, 345-T Earthmover	45"
962	O-RING, 349-T Earthmover	49"
967	O-RING, 451-T Earthmover	51"
970	O-RING, 457-T Earthmover	57"
*HALOR-463-T	O-RING, 463-T Earthmover	63"
*HALOR-469-T	O-RING, 469-T Earthmover	69"

All O-Rings are packed 2 per bag.

BEAD SEATERS DONUT STYLE



Cat. No.	Description
1994	BEAD SEATER 16.5"
1996	BEAD SEATER 19.5"
1997	BEAD SEATER 22.5" & 24.5"

* DENOTES SPECIAL ORDER ITEMS.

** L-Rings also available through special order.

Primary purpose of the L-Ring seal is to create an air seal where the tire bead and rim bead seat are not completely compatible.

Ask your Tech Representative or contact Tech International at www.techtirerepairs.com

TECH

Wheel Weights, Sockets and Socket Sets, Torq Stud Setters/Removers and Ken-Tools



WHEEL WEIGHTS

Tech offers a complete range of quality coated, non-coated and adhesive Wheel Weights for motorcycle through heavy-duty truck. Tech coated Wheel Weights are polyester coated (silver-grey) to prevent lead staining on the alloy wheel. Tech adhesive Wheel Weights are pre-cut and require no additional cutting. A simplified organizational system makes wheel weight selection and application easy. For more information, contact your Tech representative for the Tech Wheel Weight catalog.



SOCKETS & SOCKET SETS

Tech sockets and socket sets are designed, manufactured and tested to the highest specifications. They have a lifetime warranty against defects in materials and workmanship provided they are not misused, abused, altered or worn. All drive sizes, lengths and attachments are available. For more information, contact your Tech representative for complete socket and socket set information.



TORQ STUD SETTERS/REMOVERS/LUG NUT REMOVERS

Now extract and replace broken studs safely and quickly with the Torqtools Stud Extracting and Driving System. Save time with these heavy-duty precision tools. A field proven system for servicing trucks, tractors, construction and farm equipment or wherever threaded fasteners are used.

Cat. No.	Description
645-A6251TI	TORQIN, 5/8", 15mm stud setter
645-A7501TI	TORQIN, 3/4", 20mm stud setter
645-A625TO	TORQOUT, 5/8", 15mm stud remover
645-A750TO	TORQOUT, 3/4", 20mm stud remover
645-B1125TF	TORQOFF, 13/16", 21mm Budd Nut remover
645-2R981A	TORQAID, 13/16", 21mm (not shown)
645-HX981A	TORQAID, 5/8", 15mm—3/4", 20mm



KEN-TOOLS

Tech offers a complete selection of quality Ken-Tool products for both passenger and trucks. Top quality steel and strengthened centers make Ken-Tool products tough and long lasting. For more information, contact your Tech representative for Ken-Tool catalog. **MICHELIN TYPE TIRE TOOLS ALSO AVAILABLE.**

TECH Tire Sealant



TECH TIRE SEALANT

Tech Tire Seal effectively seals injuries caused by puncturing objects up to $\frac{3}{16}$ ", 5mm in size in all off-road applications. Works in tube type and tubeless tires. Remains effective for the life of the tire. Tech Tire Sealants are biodegradable and water soluble. Maintenance expenses caused by equipment downtime due to flats or hard to find leaks are reduced.

Cat. No.	Description
707HD	TECH PREMIUM TIRE SEALANT, 2 1/2 gal., 9.5L container, ea. case
707HD-5G	TECH PREMIUM TIRE SEALANT, 5 gal., 19L container, ea. case
708HD	TECH PREMIUM TIRE SEALANT, 32 oz., 950ml bottle, 12/case
709HD	TECH PREMIUM TIRE SEALANT, 16 oz., 470ml bottle, 12/case
711	HAND PUMP for 2 1/2 gal., 9.5L & 5 gal., 19 l containers
712	INSERT for 2 1/2 gal., 9.5L Pump (Plastic)
714	8 oz., 235ml "INNER SEAL" PREMIUM TIRE SEALANT, 12/case

*Application chart available. Ask your Tech representative or contact Tech International at www.techtirerepairs.com

Note: 708HD, 709HD and 714 are sold in case lots of 12 bottles only.

TECH Tire Balancing Compound



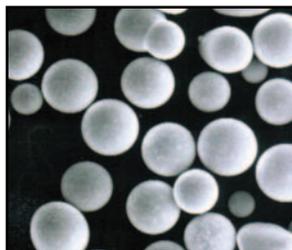
TECH TIRE BALANCING COMPOUND

Dry tire balancing materials have been in the market for years now, but only Tech Tire Balancing Compound has superior flow ability and durability. Tiny micro beads are specially coated to minimize friction while other ingredients coat the tire's inner liner, keeping it smooth and dry. As the tire begins to roll, these micro beads move and adjust on the inside of the tire to offset the heavy spot or any variation in sidewall stiffness.

Simply place the Insert® bag inside the tire during mounting and the tire and wheel assembly will be balanced throughout the tire's life. Tech Balancing Compound effectively balances light truck (TL series), medium truck (TM series), duplex tires (TP series) and 4x4 mudder tires, eliminating the need for fixed weights and re-balancing.

All sizes are packaged in Insert® bags that decompose inside the tire and include a filtered valve core. The Tech applicator can be used for installation in mounted tires. The applicator includes an air drying filter and pressure gauge to ensure proper inflation.

Cat. No.	Description	Nom. Wt.	Qty. /Case
TLP60	Primarily for commercial,	2.1 oz./60g	48
TL100	sports utility and 4x4 light	3.5 oz./100g	36
TL150	truck tires.	4 1/2 oz./130g.	36
TL200		6 1/2 oz./185g	24
TL250		8 1/2 oz./240g	24
TM300	For balancing all standard and	10 1/2 oz./300g	18
TM400	low-profile medium truck tires –	13 oz./370g	12
TM500	can be used for wide-base tires.	16 oz./455g	12
TP6000	A more economical way of	21 oz./600g	6
TP7000	balancing wide-base tires	23 1/2 oz./670g	6
TP9000	than using 2 packets from the TM series	29 oz./825g	6
TA	Tech Applicator with gauge		1
MAG10	Replacement Filter for Tech Applicator		6
VH430HT-F	Filtered Valve Core, high temp. (shown on page 45)		bag of 20



Micro Beads

TECH

Retread Tools & Accessories

Tech's Safety Blow Gun meets all OSHA requirements and features thumb lever valve and large venturi side ports for high volume air flow.

Electric Knife Heater is ideal to heat rubber cutting knives, sheers, and small tools that require heat for efficient operation. The accompanying Heater Knife comes with an 8", 200mm blade for fast, easy trimming and cutting of rubber.

The Tire Brander allows retreaders and tire technicians to quickly and easily brand tires as a method to properly identify tires. One-half inch, 13mm characters (letters and numbers) and one-quarter inch, 6mm characters are available for use with the brander.

Heavy Duty Retread Scissors have a 5", 125mm cut to trim cured and uncured rubber.

Aluminum Cement Dispensers are used to hold and dispense both black and chemical cements. Dispenser comes with brush.



RETREAD TOOLS & ACCESSORIES

Cat. No.	Description
410SV	SAFETY BLOW GUN, 150 psi max. pressure
SS10	HEAVY DUTY RETREAD SCISSORS, 5" 125mm cut
UVEXB	UVEX ASTROSPEC 3000 SAFETY GLASSES with blue frame
968LB	ALUMINUM CEMENT DISPENSER with long brush, one quart, 945ml
968RLB	REPLACEMENT LID AND BRUSH for 968LB (not shown)
SIP	SILVER INK PEN, 12 per box
MH26470	ELECTRIC KNIFE HEATER, 115V, 350 watt rated, max. temperature - 820° F, 437° C
HN8	INSULATED HEATER KNIFE, 8", 200mm blade
1612	TIRE BRANDER, 120V. (To order characters, letters, and numbers see below for information)

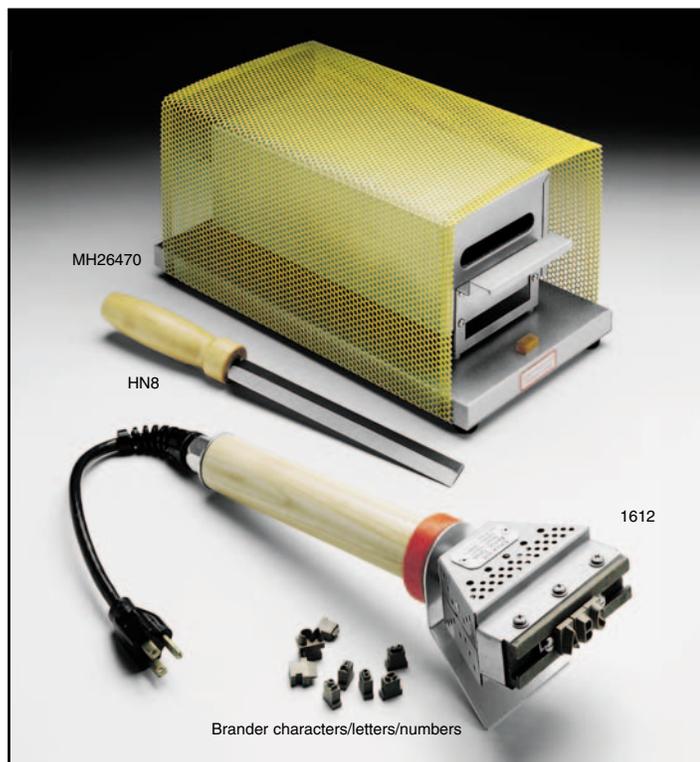
Characters (letters and numbers) for the Brander can be ordered by using the following examples:

You order: 1612A
 16 = Number for Brander
 12 = 1/2" letters or numbers
 A = 1/2" letter A

You order: 16124
 16 = Number for Brander
 12 = 1/2" letters or numbers
 4 = 1/2" number 4

You order: 1614A
 16 = Number for Brander
 14 = 1/4" letters or numbers
 A = 1/4" letter A

You order: 16148
 16 = Number for Brander
 14 = 1/4" letters and numbers
 8 = 1/4" number 8



TECH

Retread Tools and Accessories



AWLS AND PACKING TOOLS

Cat. No.	Description
918	DUCK BILL AWL, 4", 100mm length
919	POINTED AWL, 8", 200mm length (screwdriver-style handle)
985	SKIVE PACKING TOOL, 2", 50mm x 1/4", 6mm
986	SKIVE PACKING TOOL, 2", 50mm x 3/8", 10mm
987	SKIVE PACKING TOOL, 3 1/2", 90mm x 3/8", 10mm



SKIVING KNIVES

Cat. No.	Description
940	X2T TAPER SKIVING KNIFE
941	X1Y EXTRA CURVE SKIVING KNIFE
942	X3N ROUND POINT FLEXIBLE SKIVING KNIFE

Tech Extruder Guns are designed to fill a wide range of injuries, quickly and easily without trapping air. Perfect for section repair build-up and for filling skives. Extruder guns are compact, lightweight and user friendly. Available in 110v or 220v.

Tech's rope rubber makes easy work of truck and OTR tire section repairs. Achieves excellent green tack, exhibits good flow properties and delivers strong adhesion. (Shelf life on all rope rubber is 6 months.)



TECH EXTRUDER GUNS

Cat. No.	Description
S180	NAIL HOLE REPAIR EXTRUDER GUN, 110v
S182	STANDARD EXTRUDER GUN, 110v

Specify 110v or 220v when ordering.
*Parts/Service and Loaner programs available.



TECH ROPE RUBBER

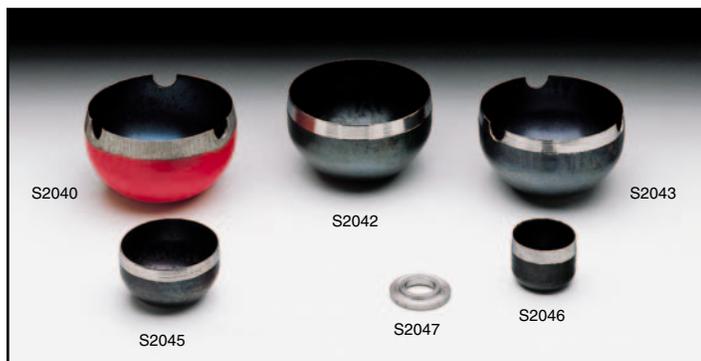
Cat. No.	Description	Wt./Box
FRR38	ROPE RUBBER – 3/8", 10mm dia., for OTR sidewall and any truck application <ul style="list-style-type: none"> ■ RMA cure class – 20C ■ Shore hardness – 60 ± 3 ■ Tensile – 2600 ± 200 PSI ■ Modulus – 1000 ± 200 ■ Elongation – 600 ± 100 	30 lbs., 13.6kg
TRR/30#	ROPE RUBBER – 3/8", 10mm dia., for OTR or truck tread application <ul style="list-style-type: none"> ■ RMA cure class – 20C ■ Shore hardness – 65 ± 3 ■ Tensile – 2500 minimum ■ Elongation – 480 minimum 	30 lbs., 13.6kg

SHERBO

Gouges, Squiggly Tool & Regroovers

Lightweight construction and cooler running design enhances the performance and life of these Sherbo rubber cutting gouges. The razor-like surface quickly removes large quantities of rubber. Fast and easy rubber removal design minimizes operator fatigue and permits better control.

Squiggly replaces 2"x³/₈" and 1/2" Carbide Gritted Wheels for fast rubber removal with less heat buildup, lighter weight and easier control.



CAUTION: Always wear eye protection.

GOUGES

Cat. No.	Description
S2040	ROTARY GOUGE, 2", 50mm dia., 1/2", 15mm arbor hole, 1 per box
S2042	THIN WALL ROTARY GOUGE, 2", 50mm dia., 3/8", 10mm arbor hole, no notch, 2 per box
S2042-12	THIN WALL ROTARY GOUGE, 2", 50mm dia., 1/2", 15mm arbor hole, no notch, 2 per box (not shown).
S2043	THIN WALL ROTARY GOUGE, 2", 50mm dia., 3/8", 10mm arbor hole, with notch, 2 per box
S2045	ROTARY GOUGE, 1 1/4", 30mm dia., 3/8", 10mm arbor hole, 3 per box
S2046	MICRO ROTARY GOUGE, 3/4", 20mm dia., 3/8", 10mm threaded arbor hole, 4 per box
S2047	1/2", 15mm to 3/8", 9mm REDUCER



CAUTION: Always wear eye protection.

SQUIGGLY TOOL

Cat. No.	Description
S2020-104	24 BLADES, 2 SUPPORT PLATES, 2", 50mm with 3/8", 10mm bore
S2020-101	SUPPORT PLATES, ea.



CAUTION: Always wear eye protection.

REGROOVERS/BLADES AND ACCESSORIES

Cat. No.	Description
S125B (110V)	REGROOVER. 250 watt H.D. Pistol Grip Regroover for cutting tread design into repaired tire. Comes with one #4 head and twelve #4 blades. 110 volts.
S125B-220 (220V)	Same as S125B except 220 volts. Does not include electrical plug.
HEADS	TECH S125 REGROOVER HEADS, specify size and type when ordering. Use matching size head and blade together. S130 Standard heads, No. 1-5. S131 Large heads, No. 6-12.
S145A (110V)	REGROOVER for cutting tread design into repaired tire. Complete with heat adjustable transformer for reliable cutting speed and control, 110 volts. Does not include electrical plug.
S145B (220V)	Same as S145A except 220 volts. Does not include electrical plug.
BLADES	TECH S145A, S145B & S125B REGROOVER BLADES
S145/R-1	rd. 3/64", 2mm cutting width
S145/R-2	rd. 1/8", 3mm cutting width
S145/R-3	rd. 13/64", 5mm cutting width
S145/R-4	rd. 3/32", 7mm cutting width
S145/R-5	rd. 23/64", 9mm cutting width
S145/W-1	wide 3/64", 2mm cutting width
S145/W-2	wide 5/32", 4mm cutting width
S145/W-3	wide 1/4", 6mm cutting width
S145/W-4	wide 3/16", 8mm cutting width
S145/W-5	wide 13/32", 11mm cutting width
S145/W-6	wide 7/8", 22mm cutting width
HEADS for S125B	S130-1 S130-2 S130-3 S130-4 S130-5 S130-6 S130-7 S130-8 S130-9 S130-10 S130-11 S130-12
S145/AW	ALLEN WRENCH FOR REGROOVER

Repair parts available for S145A and S145B.
Note: Safety feature, S145 Regroovers are pressure activated.

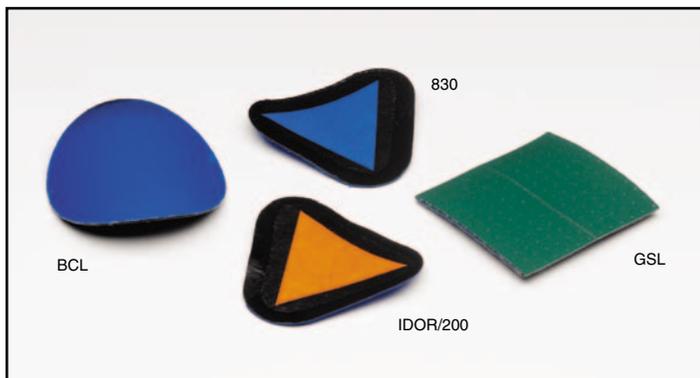
TECH ERS Repairs, Vul-Gum, Stripping Stock, A&B Compound and Tire Identification Systems

Vul-Gum easily cures to proper hardness. Allow 10 minutes for each 1/8", 3mm thickness at 300°F (149°C).

A&B Compound is a self-vulcanizing rubber for spot and section repairing.

Tech Chemical Cure Stripping Stock requires no heat. A complete cure is obtained with Tech Chemical Vulcanizing Fluid. It's designed to strip overbuff on all tires.

Tech IDT's (Identification Triangles) provide a fast, simple way to identify sidewall bulge associated with radial truck tire repairs.



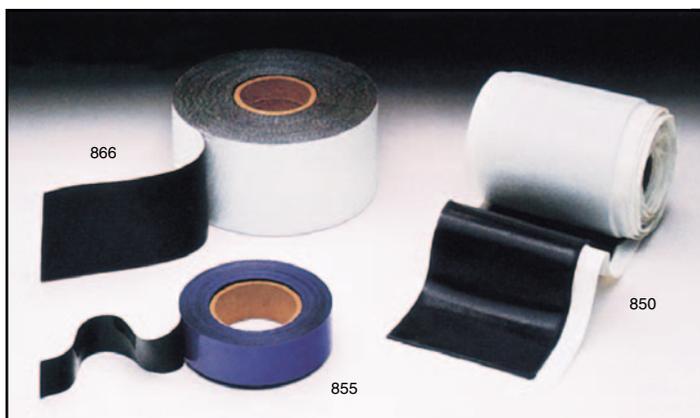
TIRE IDENTIFICATION SYSTEM

Cat. No.	Description	Box Qty.
830	BLUE IDENTIFICATION TRIANGLE, 1 1/2", 40mm	200
BCL	BLUE CIRCLE IDENT. (uncured), 1 1/2", 40mm	200
GSL	GREEN SQUARE IDENT. (uncured), 1 1/2", 40mm	200
IDOR/200	ORANGE TRIANGLE IDENT., 1 1/2", 40mm	200



BUTYL RETREAD ENVELOPE REPAIR SYSTEM (ERS)

Cat. No.	Description	Qty.
672	ERS-45, 1 3/4", 45mm dia. Envelope Repair Units	50 per tub
772	ENVELOPE VULCANIZING FLUID	8 oz., 235ml can



VUL-GUM

Cat. No.	Gauge & Width	App. Weight/Roll	Rolls/Box
849	1/4", 6mm x 6", 150mm	10 lb., 4.5kg	1
850	1/8", 3mm x 6", 150mm	10 lb., 4.5kg	1
855	1/64", 0.4mm x 1 1/2", 40mm	1 lb., 0.5kg	5
861	1/8", 3mm x 1", 25mm	2 lb., 0.9kg	9
862	1/8", 3mm x 19", 475mm	15 lb., 6.8kg	1
863	1/16", 1.5mm x 1", 25mm	2 lb., 0.9kg	9
864	1/16", 1.5mm x 2", 50mm	4 lb., 1.8kg	4
865	1/16", 1.5mm x 3", 75mm	6 lb., 2.7kg	3
866	1/16", 1.5mm x 4", 100mm	8 lb., 3.6kg	2
867	1/16", 1.5mm x 19", 475mm	15 lb., 6.8kg	1
868	1/32", 0.8mm x 19", 475mm	15 lb., 6.8kg	1
869	1/8", 3mm x 30", 750mm	15 lb., 6.8kg	1
870	1/16", 1.5mm x 30", 750mm	15 lb., 6.8kg	1

Must be purchased in full box quantities.



A & B COMPOUND, CHEMICAL CURE STRIPPING STOCK, IDENTIFICATION TRIANGLES

Cat. No.	Description
830	TECH IDENTIFICATION TRIANGLES, packaged 200/tub
854	TECH CHEMICAL CURE STRIPPING STOCK, 1 lb., 0.5kg roll, 5 rolls per box
858	A&B COMPOUND, 1 lb., 0.5kg cans
859	A&B COMPOUND, 2 lb., 0.9kg cans

TECH

Monaflex Vulcanizing Systems & Spotters

The Monaflex vulcanizing system is a modular curing system which provides many advantages versus other section mold systems. Less capital expenditure is required because the system can be tailor made and customized for the user based upon the tire size being repaired. Monaflex covers a wider range of tires than conventional vulcanizing systems. The components are lightweight and portable. Flexible heat pads and air bags conform to the tire, providing excellent pressure.

MONAFLEX OFF-THE-ROAD VULCANIZING SYSTEMS

A number of Monaflex Off-The-Road Vulcanizing systems are available for radial and bias OTR tire ranges from 13.00 - 24 through 55/80 R 63, including standard, wide base and super wide base tires. The systems are assembled according to the tire size being repaired/cured. Monaflex systems may be used with chemical, cloth-backed or uncured Tech repair units.

MONOTRS - The Monaflex system shown in the photo is used for sidewall repairs in OTR, skidder and tractor tires 14.00 - 24 through 29.5 - 29. Cures repair units up to CT-52.

Below is a vulcanizing system for tire sizes 13.00 - 24 through 27.00 - 49 and 15.5 - 25 through 29.5 - 29.

Vulcanizing systems are customized according to tire sizes.

Cat. No.	Description
MONMC	CONTROL PANEL
MONTR1315/20W	CYLINDER AIR BAG
MONM1721/24W	CYLINDER AIR BAG
MONM4824	FLAT INSIDE AIR BAG
MONM6732	FLAT INSIDE AIR BAG
MONM1616H	HEAT PAD
MONM2519H	HEAT PAD
MONM2626H	HEAT PAD
MONM3015H	RADIAL HEAT PAD
MONM4215H	RADIAL HEAT PAD
MONTROC-XL	HARNES
MONM45/7	HARNES
MONTR2621E	EXTERNAL CURING PACK



MONAFLEX TRUCK TIRE VULCANIZING SYSTEMS

Monaflex truck tire vulcanizing systems are available in a number of configurations.

MONTRDD - Truck tire system for radial and bias tire range 8.25 - 20 through 445/65 R22.5. Can be extended through 23.5 - 25 OTR tires.

MONTRRS - Truck repair system for radial truck tires 8.25 R 20 through 445/65 R 22.5.

MONTRM - Truck, tractor and OTR tire system. For truck tires 8.25 - 20 through 445/65R 22.5, tractor 9.5 - 24 through 16.9 - 28 and OTR 13.00 - 24 through 17.5 - 25.

MONSRS - Sidewall system for radial truck tires. Cures repair units through size CT-40.

MONBRS - Truck bead repair system.



A complete line of spotter and spotter parts are available. Please contact your local service provider or contact Tech International at:

www.techtirerepairs.com

TECH Service Jacks and Tire Accessories



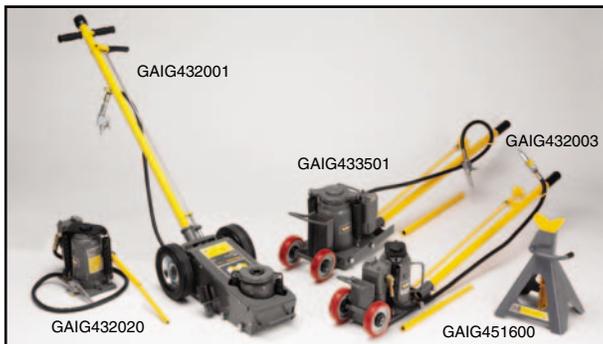
Tech International is pleased to offer Winntec, the name for professional service equipment. Winntec offers a complete line of floor jacks, bottle jacks and hydraulic jacks. Gaither tire tools and accessories provide alternative products for service needs.

WINNTEC - FLOOR JACKS



Cat. No.	Description	Min. Height inches/mm	Max Height inches/mm	Weight lbs./kg
GAIG420300	3 TON DOUBLE PISTON JACK	4.25/105	9.25/240	105/48
GAIG420302	3 TON ECONOMY JACK, 1 piston	5.25/130	19/490	85/39
GAIG421500 (shown above)	1.5 TON STEEL/ALUMINUM TURBO LIFT JACK	3.5/90	21/530	65/30
GAIG422500	2.5 TON LOW PROFILE JACK, 1 piston	3.5/90	17/430	105/48
GAIG454000 (not shown)	4/5 TON FORKLIFT/TRACTOR JACK	6.5/65	16.4/415	126/57
GAIG460700	3/4 TON MOTORCYCLE JACK	5/130	17/430	70/32
GAIG450301	3 TON JACK STANDS, pair	11.5/90	17/430	10/5

WINNTEC - AIR/HYDRAULIC JACKS



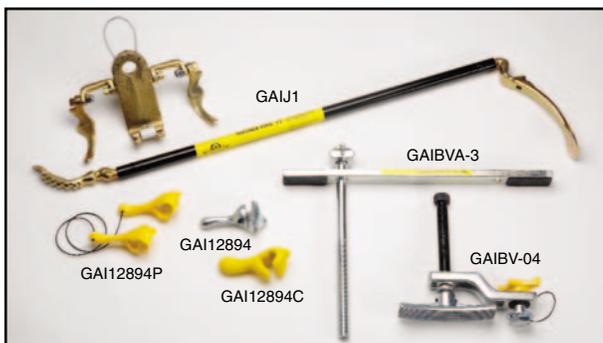
Cat. No.	Description	Min. Height inches/mm	Max Height inches/mm	Weight lbs./kg
GAIG432020	20 TON AIR/HYDRAULIC JACK, without cart	9.75/248	18.75/476	30/14
GAIG432001	20 TON AIR/HYDRAULIC TROLLEY JACK	7.75/197	19.6/498	131/60
GAIG432003	20 TON AIR/HYDRAULIC JACK, with cart	9.5/242	18.6/472	59/27
GAIG433501	35 TON AIR/HYDRAULIC JACK, with cart	11/280	16.7/424	94/43
GAIG451600	6 TON JACK STANDS, pair	15.5/390	23.5/590	14/7

WINNTEC - BOTTLE JACKS



Cat. No.	Description	Min. Height inches/mm	Max Height inches/mm	Weight lbs./kg
GAIG411500	15 TON BOTTLE JACK	10/250	19/490	21/10
GAIG412000	20 TON BOTTLE JACK	9.5/242	19/472	24/11
GAIG412001	20 TON SHORT BOTTLE JACK	6.5/165	11/285	19/9
GAIG413000	30 TON BOTTLE JACK	11/280	18/460	40/18

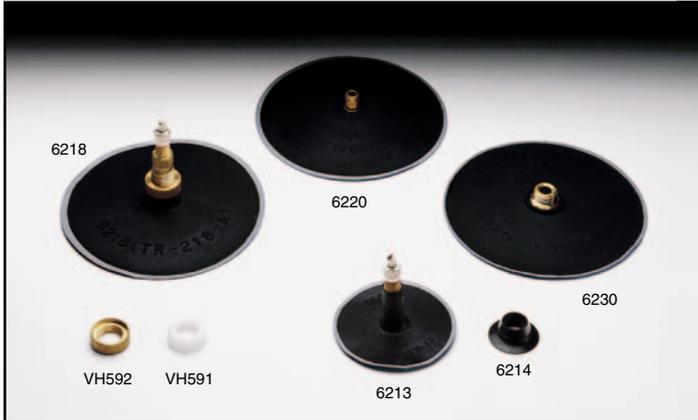
GAITHER - TIRE TOOLS AND ACCESSORIES



Cat. No.	Description	Weight lbs./kg
GAU1	TIRE MOUNT/DEMOUNT TOOL	16/8
GAI12880	BEAD SAVER SYSTEM (not shown)	24/11
GAI12894	BEAD KEEPER, each	2/9
GAI12894C	RUBBERHEAD BEAD KEEPER, each	2/9
GAI12894P	BEADKEEPER-ON-A-ROPE, 1 set	3/2
GAIBV-04	BEAD VICE FOR EUROPEAN EVA WHEELS	14/7
GAIBVA-3	BEAD VICE ADAPTOR for dual humped wheel application (not shown)	8/4

TECH Tire Valves

Tech valve hardware meets all requirements of the Tire and Rim Association of North America and the European Tire and Rim Technical Organization. Tech valves are of the highest quality made today for miles of dependable, trouble-free operation. Tech features car, truck, bus and trailer valves for quick and easy replacement. Rubber snap-ins are made from EPDM rubber to resist the ozone and to perform at -40°C temperatures. Clamp-in valves rated at max 150 PSI cold (10.4 bar). High pressure snap-in valves rated at max 100 PSI max cold (6.9 bar). Rim manufacturers strongly recommend a clamp-in valve be used if speeds exceed 130mph (210kph).



TUBE REPLACEMENT VALVES

Cat. No.	TR No.	Description	Box Qty.
VH591	—	PLASTIC RIM NUT for 6218	
VH592	—	BRASS RIM NUT for 6218	
6213	13	PASSENGER VALVE for .453 rim hole, 2 1/2", 63mm base diameter	10
6214	—	RIM HOLE BUSHING for .625 rim hole, protects tube valve	50
6218	218	AIR/LIQUID TRACTOR VALVE 4 1/4", 110mm base diameter	10
6220	—	MICHELIN VALVE SPUD 4 1/4", 110mm base diameter	5
6230	—	TRUCK VALVE SPUD 4 1/4", 110mm base diameter	5



METAL REPLACEMENT VALVES

Cat. No.	TR No.	Description
VH4567	—	SCREW ON VALVE for Michelin, single bend
VH5562B	1075A	SCREW ON VALVE for trucks, single bend with bridge washer, 3", 75mm
VH5566B	1175A	SCREW ON VALVE for trucks, single bend with bridge washer, 4 1/2", 115mm
VH5567B	1078A	SCREW ON VALVE for trucks, single bend with bridge washer, 5", 125mm



SNAP-IN TUBELESS TIRE VALVES (EPDM RUBBER)

Cat. No.	TR No.	Description	Effective Length	Box Qty.
TR412	412	SNAP-IN TUBELESS TIRE VALVE for .453 valve holes, sold by each	7/8", 25mm	ea.
TR413/500	413	SNAP-IN TUBELESS TIRE VALVE for .453 valve holes	1 1/4", 30mm	500
TR413CH/100	413C	CHROME-SLEEVED SNAP-IN TUBELESS TIRE VALVE for .453 valve holes (not shown)	1 1/4", 30mm	100
TR414/100	414	SNAP-IN TUBELESS TIRE VALVE for .453 valve holes	1 1/2", 40mm	100
TR415/100	415	SNAP-IN TUBELESS TIRE VALVE for .625 valve holes	1 1/4", 30mm	100
TR418/500	418	SNAP-IN TUBELESS TIRE VALVE for .453 valve holes	2", 50mm	500
TR418CH/100	418C	CHROME-SLEEVED SNAP-IN TUBELESS TIRE VALVE for .453 valve holes (not shown)	2", 50mm	100
TR423/100	423	SNAP-IN TUBELESS TIRE VALVE for .453 valve holes	2 1/2", 65mm	100
TR425	425	SNAP-IN TUBELESS TIRE VALVE for .625 valve holes, sold by each	2", 50mm	ea.

*Max air pressure cold 65 PSI (4.5 bar)

TECH Tire Valves



Tech tire valves are manufactured to state-of-the-art design and specifications. The high quality rubber grommet will achieve an airtight seal when the valve is tightened against the rim with the hex nut.

Clamp-in valves rated at max 130 PSI cold (9 bar). High pressure snap-in valves rated at max 100 PSI cold (6.9 bar). Rim manufacturers strongly recommend a clamp-in valve be used if speeds exceed 130mph (210kph).

TUBELESS TRUCK TIRE VALVES

Cat. No.	TR No.	Description	Length
VH722MS	575	TUBELESS TRUCK TIRE VALVE	1 1/4", 30mm
VH723MS	501	TUBELESS TRUCK TIRE VALVE	1 1/2", 40mm
VH724MS	500	TUBELESS TRUCK TIRE VALVE	2", 50mm
VH725MS	570	TUBELESS TRUCK TIRE VALVE	3 3/8", 80mm
VH726MS	571	TUBELESS TRUCK TIRE VALVE	3 3/8", 85mm
VH727MS	572	TUBELESS TRUCK TIRE VALVE	3 3/4", 95mm
VH728MS	573	TUBELESS TRUCK TIRE VALVE	4 3/8", 110mm

*All tubeless truck valves fit .625" diameter valve hole.

TUBELESS TIRE VALVES FOR ALUMINUM WHEELS

Cat. No.	TR No.	Description	Length
VH733	544	O-RING SEAL VALVE	3", 75mm straight valve
VH734	544D	O-RING SEAL VALVE	3", 75mm with 60° bend
VH735	545	O-RING SEAL VALVE	3 3/4", 95mm straight valve
VH736	545D	O-RING SEAL VALVE	3 3/4", 95mm with 60° bend
VH755	511	TUBELESS ALUMINUM DISC VALVE STEM	4 1/4", 110mm
VH756	509	TUBELESS ALUMINUM DISC VALVE STEM	4 3/4", 120mm
VH758	510	TUBELESS ALUMINUM DISC VALVE STEM	5 1/2", 140mm

*HALTV-544C 544C O-RING SEAL VALVE for 3", 75mm with 45° bend aluminum rims with disc brakes (not shown)

*O-ring seal valves fit 9.7mm diameter valve hole (max 250°F, 121°C). Tubeless aluminum valves fit .625" diameter valve hole.

*Denotes special order item.

SPECIALTY TIRE VALVES

Cat. No.	TR No.	Description
VH521MS	416	PASSENGER & LIGHT TRUCK TUBELESS TIRE VALVE for alloy wheels. Effective length 1 1/4", 30mm. Fits .453 & .625 rim hole
VH523MS	—	LOW PROFILE HIGH PERFORMANCE VALVE for alloy wheels. Effective length 1", 25mm. Fits .453 & .625 rim hole
VH530MS	417	TORONADO AND ELDORADO TUBELESS TIRE VALVE, fits .453 rim hole
VH600HP	600HP	HIGH PRESSURE TUBELESS VALVE effective length 1 1/4", 30mm. Fits .453 rim hole
VH602HP	602HP	HIGH PRESSURE TUBELESS VALVE, effective length 2", 50mm. Fits .453 rim hole (not shown)
VH720MS	—	TUBELESS TRUCK TIRE VALVE fits oval valve holes, 1 1/2", 40mm
VH763A	—	3 1/4", 80mm TUBELESS VALVE, .389 hole
VH764	—	3 3/8", 85mm TUBELESS VALVE, .389 hole
*HALTV-416MC	416	FORD VALVE, 18°, 1 3/4", 45mm. Nickel finish (not shown)
*HALN-1600	416	FORD VALVE, 2", 50mm. Chrome finish (shown above)

*Denotes special order item.



QUIK AIR Valve and Valve Hardware

Cutaway of VHI600HP.
Note the length of the brass
lengthened to prevent leaks.



Quik Air valve hardware meets all requirements of the Tire and Rim Association of North America and the European Tire and Rim Technical Organization. Manufactured under ISO9002 certification standards. OE supplier to vehicle manufacturers on five continents.

Rubber snap-ins are made from EPDM rubber to resist the ozone and perform at -40°C temperatures. Clamp-in valves rated at max 130 PSI max cold (9 bar). High pressure snap-in valves rated at max 100 PSI max cold (6.9 bar). Rim manufacturers strongly recommend a clamp-in valve be used if speeds exceed 130mph (210kph).

QUIK AIR RUBBER SNAP-IN VALVES (EPDM RUBBER)



Cat. No.	TR No.	Description	Effective Length	Box Qty.
TRI412	412	SNAP-IN TUBELESS TIRE VALVE for .453 rim hole, sold by each	7/8", 25mm	ea.
TRI413/500	413	SNAP-IN TUBELESS TIRE VALVE for .453 rim hole, 500 per box	1 1/4", 30mm	500
TRI414/100	414	SNAP-IN TUBELESS TIRE VALVE for .453 rim hole, 100 per box	1 1/2", 40mm	100
TRI415/100	415	SNAP-IN TUBELESS TIRE VALVE for .625 rim hole, 100 per box	1 1/4", 30mm	100
TRI418/500	418	SNAP-IN TUBELESS TIRE VALVE for .453 rim hole, 500 per box	2", 50mm	500
TRI423/100	423	SNAP-IN TUBELESS TIRE VALVE for .453 rim hole, 100 per box	2 1/2", 65mm	100
TRI425	425	SNAP-IN TUBELESS TIRE VALVE for .625 rim hole, sold by each	2", 50mm	ea.

QUIK AIR TRUCK VALVES (BRASS, TUBELESS ALUMINUM & O-RING SEAL)



Cat. No.	TR No.	Description	Effective Length
VHI722MS	575	TUBELESS BRASS TRUCK VALVE	1 1/4", 30mm
VHI723MS	501	TUBELESS BRASS TRUCK VALVE	1 1/2", 40mm
VHI724MS	500	TUBELESS BRASS TRUCK VALVE	2", 50mm
VHI725MS	570	TUBELESS BRASS TRUCK VALVE	3 1/8", 80mm
VHI726MS	571	TUBELESS BRASS TRUCK VALVE	3 3/8", 85mm
VHI727MS	572	TUBELESS BRASS TRUCK VALVE	3 3/4", 95mm
VHI728MS	573	TUBELESS BRASS TRUCK VALVE	4 3/8", 110mm
VHI729MS	574	TUBELESS BRASS TRUCK VALVE	5", 128mm
VHI756	509	TUBELESS ALUMINUM DISC VALVE	4 3/4", 120mm
VHI758	510	TUBELESS ALUMINUM DISC VALVE	5 1/2", 140mm
VHI734	544D	O-RING SEAL TRUCK VALVE WITH 60° BEND (max 250°F, 121°C)	3", 75mm
VHI736	545D	O-RING SEAL TRUCK VALVE WITH 60° BEND (max 250°F, 121°C)	3 3/4", 95mm

QUIK AIR SPECIALTY VALVES AND VALVE HARDWARE



Cat. No.	TR No.	Description	Effective Length
VHI430HT/1	C-1	HEAT RESISTANT VALVE CORE, -40°F to 284°F; -40°C to 140°C, 100 per bag	
VHI600HP	600HP	HIGH PRESSURE TUBELESS RUBBER VALVE, for .453 rim hole	1 1/4", 30mm
VHI53/1	VC-3	DOME METAL VALVE CAP, 100 per bag	
VHICAPS		PLASTIC VALVE CAPS, 100 per bag	

TECH

Tractor, Grader and Large Bore Valves

Tech offers a complete line of valves for agricultural, grading, material handling and earthmoving applications... anywhere liquid ballast is used. These high quality Tech products are designed to simplify air-liquid service and provide long, dependable life.

Mega bore and Z bore valves and hardware available by special order.

TRACTOR/GRADER VALVES/CORE HOUSINGS AND EXTENSION



Cat. No.	TR No.	Description	Length
VH580	621A	LARGE BORE TUBELESS AIR-LIQUID VALVE for .625 valve hole	4 1/2", 115mm with 65° bend
VH582	622A	LARGE BORE TUBELESS AIR-LIQUID VALVE for .625 valve hole	6 1/4", 155mm with 90° bend
VH584	623A	LARGE BORE AIR-LIQUID VALVE for .625 valve hole	3 3/4", 95mm with 65° bend
VH594	CH-3	AGRI-CORE HOUSING, FAST FLOW, NEW STYLE	
VH595	CH-1	AGRI-CORE HOUSING, OLD TYPE	
VH596	618A	LARGE BORE TUBELESS AIR-LIQUID VALVE for .625 valve hole	2", 50mm straight
VH597		AIR-LIQUID VALVE EXTENSION	2 3/4", 70mm
VH936A		FRONT TUBELESS TRACTOR VALVE for .453 rim hole (not shown)	9/16", 14mm effective length
VH936B		FRONT TUBELESS TRACTOR VALVE for .625 rim hole (not shown)	9/16", 14mm effective length

LARGE BORE SWIVEL VALVE STEMS AND STRAIGHT VALVE STEM FOR USE WITH VHJSP2 TUBELESS SPUD AND VHJAD4 SWIVEL ADAPTOR



Cat. No.	TR No.	Bend Angle	Horizontal Length		Vertical Height	
			in.	mm	in.	mm
VHJ650	J-650	80°	3 3/8	80	1 5/64	27
VHJ653	J-653	80°	2 1/2	65	1 5/64	27
VHJ670	J-670-2	Straight			1 1/2	40
VHJ4250	J-4000-2 1/2	90°	2 1/2	65	1 5/64	27

LARGE BORE SWIVEL VALVE STEMS FOR USE WITH VHJSP2 TUBELESS SPUD AND VHJAD4 SWIVEL ADAPTOR



Cat. No.	TR No.	Bend Angle	Horizontal Length		Vertical Height	
			in.	mm	in.	mm
VHJ4450	J-4000-4 1/2	90°	4 1/2	115	1 5/64	27
VHJ4600	J-4000-6	90°	6	150	1 5/64	27
VHJ4750	J-4000-7 1/2	90°	7 1/2	190	1 5/64	27
VHJ4900	J-4000-9	90°	9	230	1 5/64	27

LARGE BORE TURRET VALVE STEM, TANK VALVE, SWIVEL VALVE ADAPTOR AND TUBELESS SPUD



Cat. No.	TR No.	Description
VHB9A	B9A	Fits TR-218A and TR-220A valves to allow use of valve in the 13/16" valve hole
VHJAD4	TRAD4	SWIVEL VALVE ADAPTOR converts tubes with SP-1000 type spud to accept large bore swivel valves
VHJSP2	SP-2	TUBELESS SPUD TR-SP2 fits 13/16" rim hole, used with all swivel large bore valves
VHJ588	J-671	TANK VALVE with 1/4" male pipe thread, complete with core and cap
VHJ690	J-690	TURRET VALVE for planetary gear wheels

TECH

Grommets and Valve Extensions



Tech grommets and valve extensions are manufactured to the industry's highest standards. Rubber grommets are formulated to exhibit excellent weatherability and air retention. Tech extensions provide easy access to tires when air service is needed.

Green high temp silicone grommet is designed for use on buses, waste haulers and any short haul, heavy stop-and-go vehicles. These grommets withstand temperatures to 400°F (204.4°C).



RUBBER GROMMETS

Cat. No.	TR No.	Description
VH822	TRG-46	REPLACEMENT GROMMET for VH755, VH756, and VH758 valves
VH823	RG-15	REPLACEMENT GROMMET for VH720 series tubeless truck tire valves
VH824	—	RUBBER GROMMET for Michelin replacement valve VH4567 and 6220
VH827	TRG-7	REPLACEMENT GROMMET for VH596, VH580, VH582 and VH584 tire valves
VHJ829	RG-22	REPLACEMENT GROMMET for VHJSP2 tubeless spud
*HALG-170S	—	HIGH TEMP SILICONE GROMMET REPLACEMENT for VH720 series tubeless truck tire valves, max temp 400°F, 204.4°C (shown above)

*Denotes special order item.



PLASTIC VALVE EXTENSIONS

Cat. No.	Description	Length
VH34	PLASTIC VALVE EXTENSION, 100 per box	3/4", 20mm
VH35	PLASTIC VALVE EXTENSION, 100 per box	1 1/4", 30mm
VH36	PLASTIC VALVE EXTENSION, 100 per box	1 1/2", 40mm
VH37	PLASTIC VALVE EXTENSION, 100 per box	2", 50mm



METAL VALVE AND RIGID EXTENSIONS

Cat. No.	Description	Length
VH601	METAL VALVE EXTENSION	1/2", 13mm
VH602	METAL VALVE EXTENSION	3/4", 20mm
VH603	METAL VALVE EXTENSION	1 1/4", 30mm
VH643	STRAIGHT METAL TRUCK VALVE EXTENSION	3", 75mm
VH645	STRAIGHT METAL TRUCK VALVE EXTENSION	5", 125mm
VH646	STRAIGHT METAL TRUCK VALVE EXTENSION	6", 150mm



LARGE BORE RIGID BRASS EXTENSIONS AND FLEXIBLE RUBBER EXTENSIONS

Cat. No.	Description	Length
VHJ7678	METAL VALVE EXTENSION, LARGE BORE	6 7/8", 175mm
VHJ7734	METAL VALVE EXTENSION, LARGE BORE	7 3/4", 195mm
VHJ7900	METAL VALVE EXTENSION, LARGE BORE	9", 230mm
*HALFE-300-7	DUAL WHEEL FLEXIBLE RUBBER EXT. 2-pack (not shown)	7", 178mm
*HALFE-300-9	DUAL WHEEL FLEXIBLE RUBBER EXT. 2-pack (not shown)	9", 230mm

*Denotes special order item.

TECH

Valve Caps, Cores and Adaptors



Tech valve caps are made to meet all tire needs. A complete range of styles and designs are available to provide a clean and primary air seal.

Tech cores are ideal for passenger, truck and earthmover applications.

Tech heat-resistant red valve cores have been expressly designed for high temperature requirements such as truck, bus and commercial applications.

The VH430HT-F Filtered Valve Core is recommended for use with any dry balancing material.

VALVE CAPS

Cat. No.	TR No.	Description	Box Qty.
VHCAPS	—	PLASTIC VALVE CAPS	100
VH51-1	VC-2	VALVE CAP with screwdriver top	100
VH53HT/1	VC-3	DOME METAL VALVE CAP, heat resistant	100
VH54HT/1	—	TRUCK VALVE CAP, heavy-duty metal, heat resistant	100
VH82	—	DOUBLE-SEAL VALVE CAP extends valve 1/2", 13mm OAL	100



LARGE BORE VALVE CAPS AND ADAPTORS

Cat. No.	TR No.	Description	Box Qty.
VHJ59	VC-6	VALVE CAP, large bore, screwdriver top	ea.
VHJ67	VC-7	HEX TOP for easy tightening and removal	ea.
VH65558	AD1	LARGE BORE HEXAGON ADAPTOR with cap (inside) converts large bore to standard bore	ea.
VH65658	—	LARGE BORE ROUND ADAPTOR with cap (outside) converts large bore to standard bore	ea.



VALVE CORES

Cat. No.	TR No.	Description	Box Qty.
VH430/1	C-1	VALVE CORES—short type	100
VH430HT/1	—	HEAT RESISTANT VALVE CORE temperature range—40°F to 284°F (-40°C to 140°C)	100
VHJ440	C-2	VALVE CORE—large bore, long core	ea.
VHJ450	C-2	VALVE CORE—large bore, short core	ea.
VH430HT-F	—	FILTERED VALVE CORE high temp (shown above)	bag of 20

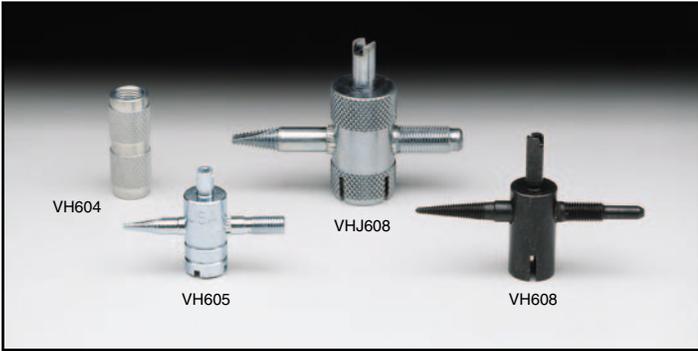


TECH

Valve Repair Tools and Accessories



Tech valve repair tools and accessories are ideal for making valve installations, removal, and repairs easier, simpler and less time consuming. Tech has a complete line of valve installation, removal and repair tools to fit any repair person's need.



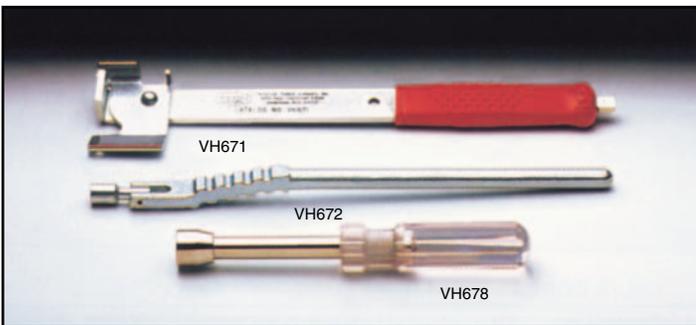
VALVE CORE REPAIR TOOLS

Cat. No.	Description
VH604	2-WAY VALVE REPAIR TOOL, combination valve core driver and deflating pin, deeply knurled for easy handling
VH605	4-WAY VALVE REPAIR TOOL, repairs and reconditions inside and outside valve threads, inserts and removes cores
VH608	HEAVY-DUTY 4-WAY VALVE REPAIR TOOL, repairs and reconditions inside and outside valve threads, inserts and removes cores
VHJ608	4-WAY VALVE REPAIR TOOL, repairs and reconditions inside and outside valve threads, inserts and removes cores. Designed for large bore



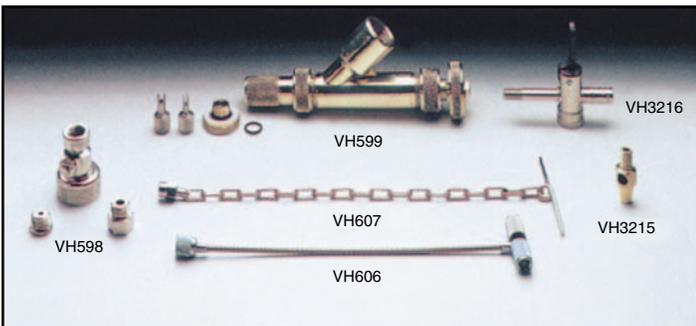
VALVE CORE INSTALLATION/REMOVAL TOOLS

Cat. No.	Description
VH670	Extra long VALVE CAP TOOL for hard to reach valve cap installation and removal (not shown)
VH673	SCREWDRIVER with plastic handle for standard valve cores
VH674	HEX VALVE CORE TOOL designed for use with wrench while installing and removing valve cores
VH675	SCREWDRIVER with plastic handle for standard and large bore valve cores
VH679	SCREWDRIVER with recessed valve core pin
VH680	Extra long VALVE CORE TOOL, 8 1/2", 215mm heavy-duty, magnetic (not shown)



VALVE INSTALLATION TOOLS

Cat. No.	Description
VH671	QUICK MOUNT/DEMOUNTING VALVE TOOL for snap-in tubeless tire valves
VH672	LEVER MOUNTING TOOL for snap-in tubeless tire valves
VH676	NYLON LEVER VALVE MOUNTING TOOL, unbreakable (shown above)
VH678	HEX NUT DRIVER with hollow shaft to accept and tighten metal valve stems



VALVE FISHING TOOLS, TUBE DEFLATORS, LIQUID FILLING AND EJECTOR TOOLS

Cat. No.	Description
VH598	AIR WATER ADAPTOR permits filling of tire with fluid or ballast from standard water hose
VH599	TIRE FILLING AND CORE EJECTOR for filling or evacuation of liquid from a tire. 1/2" female pipe thread will attach to calcium tire filling pumps. Adaptors included
VH599RK	REPAIR KIT FOR VH599
VH606	CABLE-TYPE VALVE FISHING TOOL aids in installation of tube type tires
VH607	CHAIN-TYPE VALVE FISHING TOOL aids in installation of tube type tires
VH3215	TUBE DEFLATOR—single piece screw-on deflator for rapid evacuation of air from tube
VH3216	CLIP-ON, HEAVY-DUTY TUBE DEFLATOR for rapid evacuation of air from tube

TECH

Premium Air/Inflating Gauges and Chucks

Each of Tech's premium pocket and dual foot air gauges has a high tech, epoxy coated black finish with silver trim that will withstand extended exposure to salt spray, harsh

chemical environments, even petroleum products such as gasoline and oil.

Importantly, the premium dual foot design features a tapered head, which guides both the air chuck and gauge over the valve stem for a direct, positive contact seal. The tapered head reduces air seepage from around the valve for increased accuracy when inflating the tire or when gauging the tire's air pressure. The air tight seal will reduce labor time by eliminating the aggravation and time spent attempting to properly inflate tires or gauge air pressure.



PREMIUM POCKET AIR GAUGES

Cat. No.	Description
VHP659	PREMIUM STRAIGHT PUSH-ON PASSENGER GAUGE Straight-on chuck for hard-to-reach valves. 4-sided nylon bar, 2 sides calibrated 10–50 psi in 1 lb. units. Other 2 sides calibrated in 75–340 kPa. Black and silver premium finish.
VHP661	PREMIUM STANDARD PASSENGER GAUGE, 4-sided nylon bar, 2 sides calibrated 10–50 psi in 1 lb. units. Other 2 sides 75–340 kPa. Black and silver premium finish.
VHP662	PREMIUM TRUCK PENCIL GAUGE, 4-sided nylon bar, 2 sides calibrated 20–120 psi in 2 lb. units. Other 2 sides 150–810 kPa. Black and silver premium finish.
VHP663	PREMIUM LOW-LOW PRESSURE GAUGE for dune buggies, air lifts, ATV's and lawn and garden tractors. 4-sided nylon bar. 2 sides calibrated 1–20 psi in 1/2 lb. units. Other 2 sides 10–135 kPa. Black and silver premium finish.



PREMIUM DUAL FOOT AIR GAUGES

Cat. No.	Description
VHP664	PREMIUM DUAL FOOT POCKET GAUGE, tapered head design to allow a precise fit when checking air pressure. 4-sided nylon bar, 2 sides calibrated 20–120 psi in 2 lb. units. Other 2 sides calibrated 150–810 kPa. Black and silver premium finish.
VHP665	PREMIUM DUAL FOOT SERVICE GAUGE, tapered head design to allow a precise fit when checking air pressure. 4-sided nylon bar. 2 sides calibrated 10–150 psi in 2 lb. units. Numbers at 10 lb. intervals with 5 lb. marker between. Other 2 sides calibrated 80 to 1040 kPa. Black and silver premium finish.
VHP665M	PREMIUM H.D. METAL BAR DUAL FOOT SERVICE GAUGE tapered head design to allow a precise fit when checking air pressure. 2-sided heavy-duty metal bar. One side calibrated in 10–150 psi in 2 lb. units. Numbers at 10 lb. intervals with 5 lb. marker between. Other side calibrated 80 to 1040 kPa. Black and silver premium finish.
VHP668	PREMIUM STRAIGHT PUSH-ON 30° REVERSE ANGLE SERVICE GAUGE, tapered head design to allow a precise fit when using the straight chuck for inside dual wheels and a 30° reverse angle for outside wheels. 4-sided nylon bar. 2 sides calibrated 10–150 psi in 2 lb. units. Numbers at 10 lb. intervals with 5 lb. marker between. Other 2 sides calibrated 80–1040 kPa. Black and silver premium finish.
VHP668M	PREMIUM H.D. METAL BAR STRAIGHT PUSH-ON 30° REVERSE ANGLE SERVICE GAUGE, tapered head design to allow a precise fit when using the straight chuck for inside dual wheels and a 30° reverse angle for outside wheels. 2-sided heavy-duty metal bar. One side calibrated in 10–150 psi in 2 lb. units. Numbers at 10 lb. intervals with 5 lb. marker between. Other side 80–1040 kPa. Black and silver premium finish.
VHP669	PREMIUM STRAIGHT PUSH-ON 30° REVERSE ANGLE POCKET GAUGE, tapered head design to allow a precise fit when checking air pressure. Straight push-on/30° reverse angle head. 4-sided nylon bar. Two sides calibrated 20–120 psi in 2 lb. units. Other 2 sides calibrated 150–810 kPa. Black and silver premium finish.



PREMIUM DUAL FOOT CHUCKS

Cat. No.	Description
VHP696	PREMIUM DUAL FOOT CHUCK, tapered head design for precise contact when adding air inflation. For hard-to-reach valves on tractor, dual-wheel truck and bus tires, 1/4" female N.P.T., 6", 150mm length. Black and silver premium finish.
VHP698	PREMIUM DUAL FOOT STRAIGHT PUSH-ON 30° REVERSE ANGLE LOCK-ON CHUCK, tapered head design for a positive valve contact. Straight-on/30° reverse angle chuck with threaded deep well lock nuts which lock onto valve when tilted. 1/4" female N.P.T., 6", 150mm length. Black and silver premium finish.
VHP698L	PREMIUM DUAL FOOT STRAIGHT PUSH-ON 30° REVERSE ANGLE EXTRA LONG LOCK-ON CHUCK, tapered head design for a positive valve contact. Straight-on/30° reverse angle chuck with threaded deep well lock nuts which lock onto valve when tilted. Extra long 14", 355mm length for the difficult to reach tire valve. 1/4" female N.P.T. Black and silver premium finish.

TECH

Air/ Inflating Gauges



TREAD DEPTH GAUGE, MASTER SERVICE GAUGE AND LARGE BORE GAUGES

Cat. No.	Description
VH666	TREAD DEPTH GAUGE, 3 sides calibrated 0–1" in 1/32" black markings. 3 sides calibrated mm in red markings.
VH667	MASTER SERVICE GAUGE. Precision instrument for testing accuracy of tire gauges and meters. Calibrated 10–120 psi in 2 lb. units.
VHJ6110	SWIVEL GAUGE designed for large bore valves. The head adjusts to fit valves with shields, right angle or straight on. 2-sided nylon bar, one side calibrated 10–150 psi in 2 lb. units. Other side kPa 80–1040.
VHJ6111	STRAIGHT-ON PENCIL GAUGE fits large and standard bore valves. Designed to clip in shirt pocket. 4-sided nylon bar, 2 sides calibrated 20–120 psi in 2 lb. units. Other 2 sides kPa 150–800.

POCKET AIR GAUGES

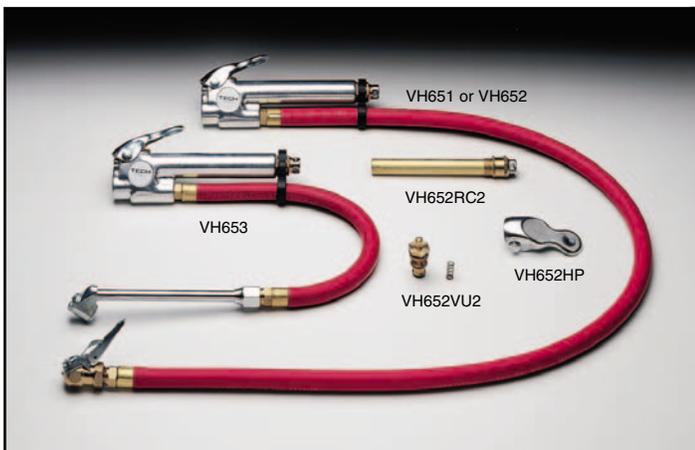
Cat. No.	Description
VH659	STRAIGHT PUSH-ON STANDARD PASSENGER GAUGE 4-sided nylon bar, 2 sides calibrated 10–50 psi in 1 lb. units. Other 2 sides kPa 75–340.
VH660	AIR LIQUID TRACTOR GAUGE for air and liquid filled tires. 4-sided nylon bar, 2 sides calibrated 5-50 psi in 1 lb. units. Other 2 sides kPa 35-310.
VH661	STANDARD PASSENGER GAUGE, 4-sided nylon bar, 2 sides calibrated 10–50 psi in 1 lb. units. Other 2 sides kPa 75–340.
VH662	TRUCK PENCIL GAUGE, 4-sided nylon bar, 2 sides calibrated 20–120 psi in 2 lb. units. Other 2 sides kPa 150–810.
VH663	LOW-LOW PRESSURE GAUGE, 4-sided nylon bar, 2 sides calibrated 1–20 psi in 1/2 lb. units. Other 2 sides kPa 10–135.

DUAL FOOT AIR GAUGES

Cat. No.	Description
VH664	DUAL FOOT TRUCK GAUGE, 4-sided nylon bar, 2 sides calibrated 20–120 psi in 2 lb. units. Other 2 sides kPa 150–810.
VH665	DUAL FOOT SERVICE GAUGE, 2-sided nylon bar, one side calibrated 10–150 psi in 2 lb. units. Numbers at 10 lb. intervals. Other side kPa 80–1040.
VH668	STRAIGHT PUSH-ON 30° REVERSE ANGLE SERVICE GAUGE for standard bore valves. 2-sided nylon bar, one side calibrated 10–150 psi in 2 lb. units. Numbers at 10 lb. intervals. Other side kPa 80–1040.
VH669	STRAIGHT PUSH-ON 30° REVERSE ANGLE TRUCK GAUGE 4-sided nylon bar, 2 sides calibrated 20–120 psi in 2 lb. units. Other 2 sides kPa 150–810.

INFLATING GAUGES

Cat. No.	Description
VH651	HEAVY-DUTY INFLATING GAUGE. Lightweight aluminum body with brass movement. 3-sided bar, 2 sides calibrated 10–120 psi in 2 lb. increments. One side kPa 70–800. 3 ft., .91m hose with clip-on air chuck. OSHA compliant.
VH651RH	3 ft., .91m REPLACEMENT HOSE for VH651 (not shown)
VH652	HEAVY-DUTY INFLATING GAUGE. Lightweight aluminum body with brass movement. 3-sided bar, 2 sides calibrated 10–120 psi in 2 lb. increments. One side kPa 70–800. 6 ft., 1.82m hose with clip-on air chuck. OSHA compliant.
VH652RH	6 ft., 1.82m REPLACEMENT HOSE for VH652 (not shown)
VH653	HEAVY-DUTY INFLATING GAUGE. Lightweight aluminum body with brass movement. 3-sided bar, 2 sides calibrated 10–120 psi in 2 lb. increments. One side kPa 70–800. 1 ft., .3048m hose with dual-foot chuck.
VH652HP	HANDLE REPAIR KIT
VH652RC2	REPLACEMENT DIAL CARTRIDGE
VH652VU2	REPLACEMENT INFLATION VALVE UNIT



TECH Chucks, Chuck Repair Kits



EUROPEAN STYLE CLIP-ON AIR CHUCKS

Cat. No.	Description
VH686	CLOSED END EUROPEAN STYLE CLIP ON AIR CHUCK same as VH688 except has 1/4" N.P.T. female thread (not shown)
VH687	OPEN END EUROPEAN STYLE CLIP ON AIR CHUCK same as VH689 except has 1/4" N.P.T. female thread (not shown)
VH688	OPEN CHECK EUROPEAN STYLE AIR CHUCK AND CLIP for use on in line gauges, barbed end
VH689	CLOSED CHECK EUROPEAN STYLE AIR CHUCK AND CLIP, barbed end

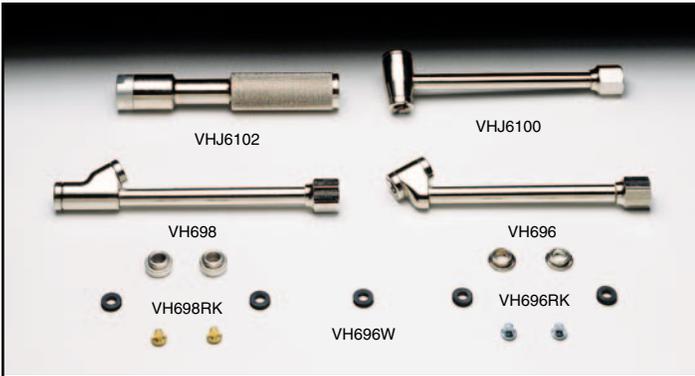
AIR CHUCKS, CLIP AND REPAIR KITS

Cat. No.	Description
VH690	BALL FOOT AIR CHUCK, 1/4" female N.P.T.
VH691	BALL FOOT AIR CHUCK & CLIP, 1/4" female N.P.T. clip firmly locks onto valve while inflating tire
VH692	OPEN CHECK BALL FOOT AIR CHUCK AND CLIP for use on air-line gauges, 1/4" female N.P.T.
VH693	AIR CHUCK CLIP, with heavy-duty spring, firmly holds chuck onto valve while inflating tire
VH694	OPEN CHECK LOCK-ON CHUCK securely locks onto valve when pushed forward. Released when sleeve is pulled back. For use on air-line gauges. 1/4" female N.P.T.
VH695	CLOSED CHECK LOCK-ON AIR CHUCK securely locks onto valve when pushed forward. Released when sleeve is pulled back. 1/4" female N.P.T.
VHJ6105	CLIP-ON AIR CHUCK for large bore. Locks on valve when clip is pushed forward. 1/4" female N.P.T.
VH690W	BALL FOOT CHUCK REPLACEMENT WASHER for VH690
VH690RK	BALL FOOT CHUCK REPAIR KIT for VH690 contains: ■ rubber washer ■ deflator pin ■ brass nut



DUAL FOOT CHUCKS, LARGE BORE CHUCKS & REPAIR KITS

Cat. No.	Description
VH696	DUAL FOOT EXTENSION CHUCK, for hard-to-reach valves on tractor, dual-wheel truck and bus tires, 1/4" female N.P.T., nickel plated
VH698	DUAL FOOT STRAIGHT-ON AND 30° REVERSE ANGLE LOCK-ON AIR CHUCK, for hard-to-reach valves on tractor, dual-wheel truck and bus tires, 1/4" female N.P.T., nickel plated
VHJ6100	RIGHT ANGLE CHUCK accepts large and standard bore valves, 1/4" female N.P.T.
VHJ6102	LARGE BORE (LONG) LOCK-ON AIR CHUCK chuck locks on valve threads, 1/4" female N.P.T.
VH696W	REPLACEMENT WASHER for VH696 and VH698 chucks
VH696RK	DUAL FOOT CHUCK REPAIR KIT for VH696 contains: ■ 2 rubber washers ■ 2 deflator pins ■ 2 nuts
VH698RK	DUAL FOOT CHUCK REPAIR KIT for VH698 contains: ■ 2 rubber washers ■ 2 deflator pins ■ 2 locking nuts
VHP696RK	TAPER CHUCK REPAIR KIT for VHP696 contains: ■ 2 rubber washers ■ 1 tapered nut ■ 1 standard nut ■ 2 deflator pins (not shown)
VHP698RK	TAPER LOCK-ON CHUCK REPAIR KIT for VHP698 contains: ■ 2 rubber washers ■ 1 tapered locking nut ■ 1 standard locking nut ■ 2 deflator pins (not shown)



TECH Rubber Air Hose



Tech's tough, durable EPDM rubber hose has a working pressure of 300 psi (2068 kPa). The recommended working temperature range is -40°F (-40°C) to +185°F (85°C).

RUBBER AIR HOSE

Cat. No.	Description
RAH1225	RUBBER AIR HOSE, 1/2", 15mm x 25', 7m, with fittings
RAH1250	RUBBER AIR HOSE, 1/2", 15mm x 50', 15m, with fittings
RAH12700	RUBBER AIR HOSE, 1/2", 15mm x 700', 213m
RAH14700	RUBBER AIR HOSE, 1/4", 6mm x 700', 213m
RAH3825	RUBBER AIR HOSE, 3/8", 10mm x 25', 7m, with fittings
RAH3850	RUBBER AIR HOSE, 3/8", 10mm x 50', 15m, with fittings
RAH38700	RUBBER AIR HOSE, 3/8", 10mm x 700', 213m
AH490	HOSE CRIMPER HEAVY DUTY special order (not shown)

TECH Air Couplers



TRIPLE INTERCHANGE COUPLER

Triple interchange coupler Cat. No. VHC50 will accept Industrial type, Aro-type and Tru-flate type nipples. Will not accept Lincoln type nipples. Maximum recommended air pressure 150 p.s.i.

E-Z Mate Couplers eliminate back pressure during air tool connections.

E-Z MATE COUPLERS

Cat. No.	Description	Use With Industrial Nipples
VHCZ14	1/4" BODY, 1/4" N.P.T.	VHC27, VHC28
VHCZ38	3/8" BODY, 3/8" N.P.T.	VHC32, VHC33
VHCZ12	1/2" BODY, 1/2" N.P.T.	VHC57, VHC60

INDUSTRIAL INTERCHANGE TYPE

Cat. No.	Description
VHC15	1/4" BODY, 1/4" FEMALE N.P.T.
VHC27	1/4" NIPPLE, 1/4" MALE N.P.T.
VHC28	1/4" NIPPLE, 1/4" FEMALE N.P.T.

ARO TYPE

Cat. No.	Description
VHC75	1/4" BODY, 1/4" FEMALE N.P.T.
VHC77	1/4" NIPPLE, 1/4" MALE N.P.T.
VHC78	1/4" NIPPLE, 1/4" FEMALE N.P.T.

TRU-FLATE TYPE

Cat. No.	Description
VHC85	1/4" BODY, 1/4" FEMALE N.P.T.
VHC83	1/4" NIPPLE, 1/4" MALE N.P.T.
VHC84	1/4" NIPPLE, 1/4" FEMALE N.P.T.

LINCOLN TYPE

Cat. No.	Description
VHC90	1/4" BODY, 1/4" FEMALE N.P.T.
VHC91	1/4" NIPPLE, 1/4" MALE N.P.T.
VHC92	1/4" NIPPLE, 1/4" FEMALE N.P.T.

TRU-FLATE TYPE

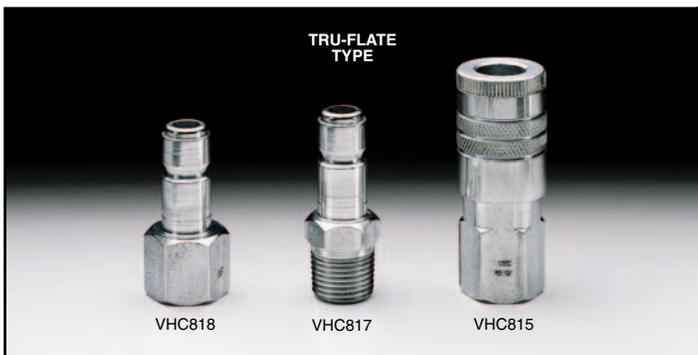
Cat. No.	Description
VHC803	3/8" BODY, 1/4" FEMALE N.P.T.
VHC809	3/8" NIPPLE, 1/4" MALE N.P.T.
VHC810	3/8" NIPPLE, 1/4" FEMALE N.P.T.

TRU-FLATE TYPE

Cat. No.	Description
VHC805	3/8" BODY, 3/8" FEMALE N.P.T.
VHC807	3/8" NIPPLE, 3/8" MALE N.P.T.
VHC808	3/8" NIPPLE, 3/8" FEMALE N.P.T.

TRU-FLATE TYPE

Cat. No.	Description
VHC815	1/2" BODY, 1/2" FEMALE N.P.T.
VHC817	1/2" NIPPLE, 1/2" MALE N.P.T.
VHC818	1/2" NIPPLE, 1/2" FEMALE N.P.T.



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TECH Training and support materials

Tech offers an extensive array of step-by-step How-To-Repair manuals, videos and wall charts. Our How-To-Repair manuals and videos are designed to simply and effectively demonstrate correct, proven methods to properly repair all types of tires. Tech wall charts clearly and quickly communicate How-To-Repair procedures and provide detailed instructions on selecting the correct repair unit for the job.

Repair hot line for continental United States and Canada, 1-800-433-TECH or 1-800-336-TECH.



TECH HOW-TO-REPAIR MANUALS

Cat. No.	Description
RM-1	Tube Repair
RM-2	Valve Repair
RM-3	Radial-Seal® Repair
RM-4	250UL and 251UL Uni-Seal® Ultra Repair on a speed rated tire
RM-5	2-Piece Repair method
RM-6	Permacure® Repair
RM-7	Bias Ply truck section repair using the Tech BP® repair method
RM-8	Repair of a radial truck sidewall using a Centech® centering radial repair unit
RM-9	Centech® section repair of a radial truck sidewall with multiple cable damage
RM-10	Section repair of a radial truck crown using a Centech® centering radial repair unit
RM-11	Section repair of agricultural and skidder tires using a BP® bias ply repair unit
RM-12	Centech® section repair of a radial earthmover tire with sidewall damage
RM-13	249W Uni-Seal® Plus repair on a passenger tire
RM-15	Section repair of a bias earthmover tire

RM-1 through RM-10 as well as RM-15 also available in Spanish. Add "S" suffix to catalog number to order. Example: RM-1S

TECH HOW-TO-REPAIR VIDEOS & CDS

Cat. No.	Description
RCD1	Uni-Seal® and 2-Piece interactive training CD contains: <ul style="list-style-type: none"> ■ Uni-Seal® repair of a performance tire ■ 2-Piece repair of a medium truck tire ■ Video Footage ■ Tire Conditions ■ RM-4 & RM-5 ■ Product List
RT-1	1/2" VHS tape contains the following How-To-Repair procedures: <ul style="list-style-type: none"> ■ Centech® Crown Repair ■ Centech® Sidewall Repair ■ BP® Repair
RT-2	1/2" VHS tape contains the following How-To-Repair procedures: <ul style="list-style-type: none"> ■ Permacure® Repair—Passenger ■ Permacure® Repair—Truck
RT-3	1/2" VHS tape contains the following How-To-Repair procedures: <ul style="list-style-type: none"> ■ Tube Repair ■ 250 & 251 Uni-Seal® Repair ■ 2-Piece Repair ■ Radial-Seal® Repair
RT-4	1/2" VHS tape contains the following How-To-Repair procedures: <ul style="list-style-type: none"> ■ Performance tire repair using 251 Uni-Seal® ■ Performance tire repair using 251-1 Uni-Seal® stem and CT-12 Centech® centering radial repair unit ■ Performance tire repair using Permacure® 222 and a CT-12 Centech® centering radial repair unit
RT-5	Spanish 1/2" VHS tape contains the following How-To-Repair videos produced with Spanish audio: RT-1, RT-2, RT-3
RT-6	1/2" VHS tape contains 250UL Uni-Seal® Ultra repair of a passenger tire, sidewall and 251UL Uni-Seal® Ultra repair of a crown injury in a radial, light truck tire
RT-8	1/2" VHS tape details nail hole repairing through the retread process
RT-8S	Spanish version of RT-8, 1/2" VHS tape details nail hole repairing through the retread process
RT-9	1/2" VHS tape contains Uni-Seal® Ultra repair of the crown area of a light truck tire
RT-12	1/2" VHS tape contains the two-piece repair system in the crown of a medium truck tire. Also available in PAL (RT-12P)

All Tech How-To-Repair videos available in NTSC, PAL and SECAM formats

TECH WALL CHARTS

Cat. No.	Wall Chart	Description
BP	BP Bias Ply Size of Injury Repair Chart	Large wall chart contains complete information on proper selection of BP® bias ply repair units
CT	Centech Size of Injury/Repair Selection Chart	Large wall chart contains complete information on selecting the proper Centech® radial repair units for passenger, light truck, medium truck and tractor tires
CTOR	Centech Off Road Repair Selection Chart	Large wall chart contains complete information on selecting the proper Centech® radial OTR repair units
PTC	Performance Tire Wall Chart	Two-sided repair chart. Side one features application of CT Radial/Permacure 2-Piece repair method in a Performance Passenger tire. Side two features a 250UL and 251UL Uni-Seal repair of a Performance Passenger tire
RBC	Radial and Bias Repair Chart	Two-sided repair chart. Side one features a Two-Piece nail hole repair using Centech® centering repairs, stems and carbide cutters. Side two features a nail hole repair (1/4", 6mm and 3/8", 9mm injuries) using Tech Uni-Seals® and cutters
TOR	TOR Wall Chart	Large wall chart contains complete information on selecting the proper Tech TOR repair unit for off-road tires
VHSC	Tech Valve Hardware Selection Chart	Large wall chart contains complete information on selecting proper valve hardware for passenger, light truck and medium truck applications

TECH INTERNATIONAL

Authorized Tire Repair Technician Training Programs

Teach
Each
Customer
How



Profit from Tire Repair Education.

Tech International began factory training of our sales force and customers in 1970. Today, Tech offers specific tire repair courses that incorporate the latest tire repair techniques recommended by the major tire manufacturers, as well as the most cost effective methods of tire repairing. All of these courses include classroom instruction on today's most current construction, tire size and inspection information. Tech's Authorized Repair Technician Programs are available at Tech's Corporate Headquarters, at one of our regional training centers around the world, or at your location. Training at any of Tech's training facilities is highly recommended because of the superior hands-on training.

What good does specialized training do? It lets you...

- Improve customer satisfaction
- Make proper tire repairs
- Increase profitability
- Decrease repair liability
- Decrease costs

Automotive Tire Dealer Course



This two day seminar provides automotive technicians with the latest tire industry recommendations and hands-on procedures for the full spectrum of passenger and light truck tire and wheel service. Proper tire repair, use of tire changing and balancing equipment, vehicle lifts, and lug nut torque is covered based on tire industry and manufacturer's guidelines. Students who meet the requirements will receive the Tire Industry Association (TIA) Basic ATS certificate and Tech AUTHORIZED NAIL HOLE REPAIR TECHNICIAN certificate and arm patches.

Commercial Tire Dealer Course



This two day seminar is the general tire repair course in tire construction, inspection, and basic tire repair. The repair methods taught in this course are the most current industry recommended procedures. We also cover field repairing of farm and earthmover tires. The second portion of the course includes the Tire Industry Association's (TIA) Basic CTS program. Classroom only training covers OSHA Regulation 29 CFR Part 1910.177 servicing single piece and multi-piece rim wheels. Students who meet the requirements will receive the Tire Industry Association (TIA) Basic CTS certificate and Tech AUTHORIZED NAIL HOLE REPAIR TECHNICIAN certificate and arm patches.

TECH INTERNATIONAL

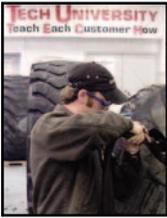
Authorized Tire Repair Technician Training Programs

Section Repair Course



This is a specialty course where the student is educated in the latest theory and hands-on techniques used in the section repair of truck and tractor tires. The prerequisite for this course is successful completion of the Commercial Tire Dealer Seminar. Hands-on training utilizes spotters and Monaflex Vulcanizing Systems. Once students have completed the required hands-on demonstrations there is a final exam. If the students pass the written test they will receive the Tech AUTHORIZED SECTION REPAIR TECHNICIAN certificate and arm patches.

Off The Road Tire Repair Course



The OTR tire repair course is a specialty course conducted twice per year at Tech's Training Center in Johnstown, Ohio. In this course the student learns the latest techniques used in the section repair of bias and radial off road tires. The course also covers the latest OTR tire construction, tire storage requirements and tire inspection techniques. All students are required to complete hands-on demonstrations and complete a written test. If the attending students pass the written test and complete all of the hands-on requirements, they will receive the Tech AUTHORIZED OTR TIRE REPAIR TECHNICIAN certificate and arm patches.

TIA Certification Courses



In addition to tire repair, Tech provides Tire Industry Association (TIA) Certification Programs. Tech's training staff has been fully accredited as Certified TIA Instructors for the highly successful Commercial Tire Service (CTS) and the new Automotive Tire Service (ATS) programs.



Our training center in Johnstown, Ohio, USA is fully equipped to handle hands-on tire and wheel service portions of these courses.

On-Site Nail Hole Repair Training

TECH INTERNATIONAL has a knowledgeable training staff, along with fully trained regional managers and network of Tech distributors to satisfy all of your training needs. Tech has conducted training programs to train and authorize our entire distributor network. In the United States and Canada, nail hole repair training courses are also conducted by our well-trained distributors. We have over 30 years experience in training repair personnel using the latest tire repair techniques. Please contact Tech International or your local Tech Distributor for a factory training course schedule or to set up an in-house training seminar.

For More Information, Contact the Training Department at Tech International

Phone (800) 433-8324 | (800) 336-8324 | (740) 967-9015

Fax (740) 967-7203 | Visit our Web site at: www.techtirerepairs.com



CENTECH® & THERMACURE Aramid Reinforced Radial Repairs

Thermacure Aramid reinforced radial repair units have Tech's bead label, which allows the repair technician to record month, year and other identification for warranty purposes.



Introducing Thermacure Aramid reinforced repairs for radial truck and Centech Aramid reinforced repairs for radial OTR tires. Tech combines superior compounding with the unsurpassed strength of Aramid cord reinforcement. Aramid cord, five times stronger than steel, is the strongest fabric available today. **This added strength enables Tech to produce a repair that has fewer reinforcing plies, yet reduces the unsightly bulge!**

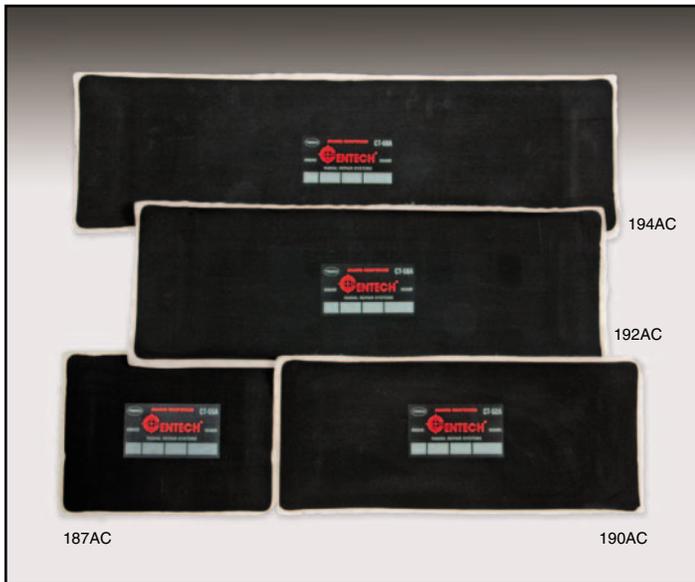
Centech and Thermacure Aramid's fewer plies yield greater flexibility, simplifying installation and improving performance in the most extreme conditions.

Thermacure Aramid reinforced repairs are available with Thermacure cushion gum in sizes CT-40, CT-42, and CT-44. These repairs can be used in most heat curing applications such as Monaflex vulcanizing systems, section molds, and curing chambers.

Cloth back style Centech Aramid OTR repairs are available in sizes listed below. These repairs should be used with Tech Vulgum in a heat curing system.

THERMACURE ARAMID REINFORCED REPAIR UNITS

Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)
180AR	CT-40AR	10	4 x 8	100 x 200
182AR	CT-42AR	5	5 x 10	125 x 250
184AR	CT-44AR	5	5 x 13	125 x 330



CENTECH ARAMID REINFORCED REPAIR UNITS

Cat. No.	Description	Box Qty.	Dim. (inches)	Dim. (mm)
185AC	CT-45AC*	5	8 x 9 ¹ / ₈	200 x 230
186AC	CT-46AC	5	5 ¹ / ₂ x 16	140 x 405
187AC	CT-55AC*	3	10 ¹ / ₄ x 13	260 x 330
188AC	CT-50AC	3	7 ¹ / ₂ x 19 ³ / ₄	190 x 500
189AC	CT-65AC*	3	13 x 16 ¹ / ₂	330 x 420
190AC	CT-52AC	3	10 x 22	250 x 560
191AC	CT-75AC*	3	17 ³ / ₄ x 20 ³ / ₄	450 x 530
192AC	CT-56AC	3	10 ¹ / ₂ x 29	265 x 735
193AC	CT-85AC*	1	22 x 28	560 x 710
194AC	CT-60AC	3	10 ¹ / ₂ x 34	265 x 860
195AC	CT-72AC	1	13 ³ / ₄ x 30	345 x 760



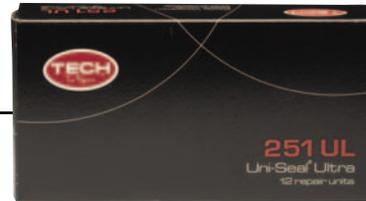
*Denotes repair unit is for injuries in the "T-T" Crown Area only.

TECH UNI-SEAL INJURY MEASURING TOOL

MEASURING FOR SUCCESS



TRT104



Tech's unique Color+Match Uni-Seal Repair system features color coding that makes application of Uni-Seals simpler and faster. The color coding system also simplifies Tire Repair Technician Training.

Repair Technicians simply measure the injury using the measuring tool and match the Color Code ring on the tool to the corresponding injury size and color-coded repair unit box. This versatile repair system also enables the user to stock a limited number of repair units to accommodate 1/16" (1.5mm) – 1/4" (6mm) injuries. It's the ideal repair system that saves both time and money, while meeting industry standards.

APPLICATION CHART

INJURY SIZE	UNI-SEAL REPAIR UNIT	CARBIDE CUTTER
1/16" (1.5mm)	249W	269
1/8" (3mm)	250UL	270 270P
1/4" (6mm)	251UL	271 271P

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